

ThinkPad

On-Line

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IBM ThinkPad 300, 500, 700, 700C - withdrawn

IBM® ThinkPad®:	≧ 300 monochrome	≧ 500 sub-notebook	≧ 700 monochrome	≧ 700C color TFT
Processor type	80386 SL	80486 SLC2	80486 SLC <input checked="" type="checkbox"/>	80486 SLC <input checked="" type="checkbox"/>
Processor speed	25 MHz	50/25 MHz	25 MHz	25 MHz
Memory cache	64 KB external	16 KB internal	16 KB internal	16 KB internal
Coprocessor socket	Yes (for 387 SL)	No	Yes (for 387 SL)	Yes (for 387 SL)
Diskette drive	3.5" 1.44 MB	External 3.5" 1.44 MB	3.5" 1.44 MB	3.5" 1.44 MB
Price (retail USD)	\$ 1,999 \$ 2,199	\$ 1,999 \$ 2,499	\$ 2,750 \$ 2,950	\$ 4,350
Type - model	2615-065 2615-067	2603-081 2603-171	9552-300 9552-301	9552-30B
Hard drive - size	80 MB <input checked="" type="checkbox"/> 120 MB	85 MB 170 MB	82 MB <input checked="" type="checkbox"/> 122 MB <input checked="" type="checkbox"/>	120 MB <input checked="" type="checkbox"/>
Hard drive - speed	19 ms 17 ms	15 ms 15 ms	17 ms <input type="radio"/> 17 ms <input type="radio"/>	17 ms <input type="radio"/>
Available date	Oct 92 Oct 92	June 93 Aug 93	Oct 92 Oct 92	Oct 92
Withdrawal date	Oct 93 Oct 93	Dec 93 Dec 93	Oct 93 Oct 93	Oct 93
Display - type	VGA mono <input checked="" type="checkbox"/>	VGA mono	VGA mono <input checked="" type="checkbox"/>	VGA color
Display - grey scales	64 grey scales <input checked="" type="checkbox"/>	64 grey scales	64 grey scales <input checked="" type="checkbox"/>	256 colors 640x480
Display - technology	STN <input checked="" type="checkbox"/>	STN	STN <input checked="" type="checkbox"/>	Thin film transistor
Display - light source	LCD - Side-lit <input checked="" type="checkbox"/>	LCD - backlit	LCD - backlit <input checked="" type="checkbox"/>	Active matrix
Display - size (diag)	9.5 inch <input checked="" type="checkbox"/>	7.4 inch	9.5 inch <input checked="" type="checkbox"/>	10.4 inch
Display - contrast ratio	13 to 1 <input checked="" type="checkbox"/>	18 to 1	18 to 1 <input checked="" type="checkbox"/>	100 to 1
180 degree display tilt	Yes	Yes (external SVGA)	Yes	Yes
Memory - std / max	4 / 12 MB 80 ns	4 / 12 MB 80 ns	4 / 16 MB 80 ns	4 / 16 MB 80 ns
Mem - sockets empty	2 sockets (parity)	1 socket (non-parity)	2 sockets (parity)	2 sockets (parity)
SIMM/ICs available	2, 8 MB SIMMs	4, 8 MB ICs (3.3 volt)	2, 4, 8 MB ICs	2, 4, 8 MB ICs
Keyboard / # of keys	Full size alp/num/ 82	90% size alp/num/ 81	Full size alp/num/ 84	Full size alp/num/84
Fn key functions	Yes (back panel)	11 (in any appl)	None	None
Keyboard slope	Miniature (option)	No	8 degrees (legs)	8 degrees (legs)
Mouse/pointing	Yes	TrackPoint II™	TrackPoint II	TrackPoint II
Ext keyboard support	12 (in any appl)	No	Yes (with opt cable)	Yes (with opt cable)
Dimensions	12.1 x 8.5 x 1.7"	10.1 x 7.2 x 1.6"	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.2"
Cubic inches	175 inches	116 inches	185 inches	214 inches
Carrying case	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)
Color	Charcoal grey	Black	Black	Black
Weight (with battery)	5.9 pounds	3.8 pounds	6.5 pounds	7.6 pounds
Battery - type	Nickel hydride	Sealed lead acid	Nickel hydride	Nickel hydride
Batt - life (per battery)	3 to 10 hours	3 to 9 hours	3.8 to 7.5 hours	2 to 4 hours
Charge time - on / off	10 hrs / 2 hrs	2.5 hrs / 1.2 hrs	3 hrs / 2 hrs	1.5 hrs / 1.4 hrs
Battery - options	None	Nickel hydrid (\$49)	Yes - status indicator	Yes - status indicator
Architecture	AT bus	AT bus	Micro Channel®	Micro Channel
External AT/MCA port	No	No	Yes	Yes
Comm Ctrrdge (1 card)	No (fast parallel)	No	Yes (black)	Yes (black)
Docking Station	No	No	Yes (3550-002) blk	Yes (3550-002) blk
Port replicator	Yes	No	Yes (black)	Yes (black)
Modem/serial slot	None	No	Yes	Yes
PCMCIA 2.01 slots	Modem only	1 Type I or 1 Type II	None	None
Visible LEDs - closed	Yes - batt charge	Yes	Yes	Yes
Serial / parallel ports	Yes / Yes (EPP)	Yes (cable) / Yes (EPP)	Yes / Yes (DMA)	Yes / Yes (DMA)
APM-aware BIOS	APM-aware BIOS	APM-aware BIOS	APM-aware BIOS	APM-aware BIOS
Other features	Hrdw security loop	Hibernation mode	Hrdw security loop	Hrdw security loop
Preinstalled software	None	DOS 5.02, PRODIGY®	DOS 5.02, PRODIGY	DOS 5.02, PRODIGY
Warranty	1 year - carry in or EasyServ (opt onsite)	1 year - carry in or EasyServ (opt onsite)	3 year - carry in or EasyServ (opt onsite)	3 year - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 360, 750, 755. The 700/720 memory IS compatible with 360, 750, 755.

<p>FEATURES OF 500</p> <p>Most powerful sub-notebook with 486SLC2 Lightweight 3.8 pounds Hibernation mode saves memory to the hard drive and shuts system off External VGA is SVGA (to 800 x 600) Std external floppy (9 oz) plugs into back Personalized nameplate in molded indentation Coupon book with \$4,000 in savings Self charging battery with integrated wall plug and no memory effect (081, 171)</p> <p><i>ThinkPad 500 models 081 and 171 withdrawn due to problems with the sealed lead acid battery and replaced by models 08N and 17N with a nickel hydride battery</i></p>	<p>FEATURES OF 300</p> <p>Upgradeable to TFT active color; 8.4" Ethernet on planar for 10baseT, 10base2 Upgradeable to 120 MB (80 MB version) External VGA is SVGA (to 1024 x 768) 2 level password security Hot key setup in any application Standby mode and rest mode Rest mode lasts up to 2 weeks</p>	<p>FEATURES OF 700/700C and 720/720C</p> <p>3 year international warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, or 340 MB Removable hard disk Pressure activated TrackPoint II Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button Coupon book with \$4,000 in savings</p>
<p>FEATURES OF ALL PRODUCTS</p> <p>Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International warranty</p> <p>IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227</p>		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight).
 STN = Super twisted nematic; = Upgradeable; = Removable; ≧ = Withdrawn

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 (1THINKW) Compiled by Roger Dodson, IBM, May 1994

IBM ThinkPad 310E and 310ED (EMEA)

IBM® ThinkPad®:	310E	310E	310ED
Processor type	Pentium® MMX 133/66 MHz	Pentium® MMX 150/60 MHz	Pentium® MMX 133/66 MHz
Processor upgrade	None		
Processor features	MMX technology / P55CLM / 64 bit to transfers to L2 cache and memory		
L2 cache	256 KB / write-back / direct mapped / 7 ns / synchronous pipelined burst		
External FDD port	External FDD port (works with standard external diskette on CD-ROM-based model; or use if upgrade to CD-ROM)		
Diskette drive	Internal 3.5" 1.44 MB (on left side)		External 3.5" 1.44 MB (connect to rear)
CD-ROM drive	None (upgrade available)		10 x CD-ROM / bootable (left side) / CAV
Code name	LaCrosse-2		
Price			
Type - model	2600-400	2600-600	2600-500
Preload (see side)	Windows 95 OSR2		
Available date	November 1997		
Disk - size / ms	1.6 GB / 13 ms read; 14 ms write / PIO Mode 4 / SMART		
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk		
Display - size and type	12.1" Dual Scan SVGA color	11.3" TFT SVGA color	12.1" Dual Scan SVGA color
Display - technology	12.1" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio	11.3" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio	12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio
Graphics - controller	C&T™ 65550 HiQV32™ / 64 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / interpolation / color space conversion		
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt / Zoomed Video support		
Graphics - external	External SVGA to 1024 x 768 with 256 colors		
Memory - std / max	16 MB / 64 MB / one 16 MB SO-DIMM is installed in one of two sockets		
Memory - features	60 ns / non-parity / 3.3 volt / EDO / memory installed from bottom of system		
Memory - upgrade	1 socket available for two JEDEC 144 pin EDO SO-DIMM of 8, 16, or 32 MB		
Keyboard / # of keys	Full size alp/num / 85 keys (9 Fn key functions)		
Keyboard slope	Large palm rest / keyboard remains flat (no slope) / no liftup keyboard		
Pointing device	TrackPoint III™ / no drag lock keys		
Palm rest	Integrated palm rest / external keyboard support (no optional cable)		
Dimensions	11.7 x 8.9 x 2.0" (208 cubic inches) / 298 mm x 227 mm x 49 mm		
Weight	6.6 pounds (3.0 kg)	6.6 pounds (3.0 kg)	7.1 lbs (3.2 kg)
Battery - life	3.0 hours	3.5 hours	3.0 hours
Charge time - on / off	3.5 to 10 hrs / 2.0 hrs / no non-disruptive battery exchange		
Battery - type	NiMH / non-intelligent / battery unique to 310 / insert from right side		
Architecture	ISA (audio, diskette, serial, parallel) / ALI® Aladdin III M1521/M1523 chipset PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA) NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI)		
Docking Station	None		
Port replicator	None		
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 32 bit PCI / Zoomed Video support in lower slot		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS		
Video in/out	None		
MPEG decoder	None		
Data/fax modem	None		
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control / internal microphone		
Audio jacks	Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)		
Telephone	None		
Infrared ports	None		
Security	Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization		
Preinstalled software	Windows 95 with applications (listed on right)		
Warranty	1 year - carry-in		
BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.	OPTIONS		
Fn + F1 = Hot key help	- 2.1 GB HDD 13/14 ms (user upgradeable) 11J8643		
Fn + F2 = Brightness/contrast	- NiMH Battery 11J8639		
Fn + arrows = Adjust brightness/contrast	- AC Adapter, 3 prong without power cord 11J8699		
Fn + F3 = LCD/CRT/Simultaneous	- 16 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8636		
Fn + F4 = Fuel gauge	- 32 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8637		
Fn + F5 = Audio volume	- 10 x CD-ROM w/ external FDD/cable 11J8676 (dealer installable only)		
Fn + arrows = Adjust volume	- 8 x min/20 x max Portable CD-ROM 1969010		
Fn + F6 = Power mgmt and system info	- 8 x min/20 x max Port Stereo CD-ROM 1969011		
Fn + F7 = Standby	- PCMCIA 33.6 Kbps International Data/Fax 42H4319		
Fn + F8 = Hibernation	- PCMCIA 33.6 Kbps Modem w/ XJACK 55H6759		
Fn + Esc = Close Hot key icon			
	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.		
	No suspend mode; has standby and hibernation mode		
	FEATURES OF 310 MODELS		
	Plug and Play 1.0a		
	Standby and hibernation modes		
	Color LED indicator		
	US EPA Energy Star compliant		
	Personalized nameplate indentation		
	International Warranty Service		
	IBM SystemXtra		
	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support		
	IBM and dealer warranty/service		

IBM ThinkPad 310ED (Retail model)

IBM® ThinkPad®:	310ED 12.1" Dual Scan SVGA color / 10 x CD-ROM	
Processor type	Pentium® MMX 133/66 MHz	
Processor upgrade	None	
Processor features	MMX technology / P55CLM / 64 bit to transfers to L2 cache and memory	
L2 cache	256 KB / write-back / direct mapped / 7 ns / synchronous pipelined burst	
External FDD port	External FDD port (works with standard external diskette on CD-ROM-based model; or use if upgrade to CD-ROM)	
Diskette drive	External 3.5" 1.44 MB (connect to rear)	
CD-ROM drive	10 x CD-ROM / bootable (left side) / CAV	
Code name	LaCrosse-2	
Type - model	2600-50U	
UPC code	087944375975	
Preload (see side)	Windows 95 OSR2	
Available date	November 1997	
Disk - size / ms	1.6 GB / 13 ms read; 14 ms write / PIO Mode 4 / SMART	
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk	
Display - size and type	12.1" Dual Scan SVGA color	
Display - technology	12.1" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio	
Graphics - controller	C&T™ 65550 HiQV32™ / 64 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / interpolation / color space conversion	
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt / Zoomed Video support	
Graphics - external	External SVGA to 1024 x 768 with 256 colors	
Memory - std / max	16 MB / 64 MB / one 16 MB SO-DIMM is installed in one of two sockets	
Memory - features	60 ns / non-parity / 3.3 volt / EDO / memory installed from bottom of system	
Memory - upgrade	1 socket available for two JEDEC 144 pin EDO SO-DIMM of 8, 16, or 32 MB	
Keyboard / # of keys	Full size alp/num / 85 keys (9 Fn key functions)	
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / no liftup keyboard	
Pointing device	TrackPoint III™ / no drag lock keys	
Palm rest	Integrated palm rest / external keyboard support (no optional cable)	
Dimensions	11.7 x 8.9 x 2.0" (208 cubic inches) / 298 mm x 227 mm x 49 mm	
Weight	7.1 lbs (3.2 kg)	
Battery - life	3.0 hours	
Charge time - on / off	3.5 to 10 hrs / 2.0 hrs / no non-disruptive battery exchange	
Battery - type	NiMH / non-intelligent / battery unique to 310 / insert from right side	
Architecture	ISA (audio, diskette, serial, parallel) / ALI® Aladdin III M1521/M1523 chipset PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA) NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI)	
Docking Station	None	
Port replicator	None	
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 32 bit PCI / Zoomed Video support in lower slot	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS	
Video in/out	None	
MPEG decoder	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control / internal microphone	
Audio jacks	Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)	
Telephone	None	
Infrared ports	None	
Security	Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization	
Preinstalled software	Windows 95 with applications (listed on right)	
Warranty	1 year - carry-in	
BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.		
Fn + F1 = Hot key help		
Fn + F2 = Brightness/contrast		
Fn + arrows = Adjust brightness/contrast		
Fn + F3 = LCD/CRT/Simultaneous		
Fn + F4 = Fuel gauge		
Fn + F5 = Audio volume		
Fn + arrows = Adjust volume		
Fn + F6 = Power mgmt and system info		
Fn + F7 = Standby		
Fn + F8 = Hibernation		
Fn + Esc = Close Hot key icon		
	OPTIONS	
	- 2.1 GB HDD 13/14 ms (user upgradeable) 11J8643	
	- NiMH Battery 11J8639	
	- AC Adapter, 3 prong with US power cord 11J8702	
	- 16 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8636	
	- 32 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8637	
	- PCMCIA 33.6 Kbps International Data/Fax42H4319	
	- PCMCIA 33.6 Kbps Modem w/ XJACK 55H6759	
	- 56K PC Card Modem Kit 04K0052	
		No suspend mode; has standby and hibernation mode
		FEATURES OF 310 MODELS
		Plug and Play 1.0a
		Standby and hibernation modes
		Color LED indicator
		US EPA Energy Star compliant
		Personalized nameplate indentation
		International Warranty Service
		24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet
		(http://www.pc.ibm.com) support
		IBM and dealer warranty/service

- WINDOWS 95 PRELOAD**
- Microsoft Windows 95 OSR2 (FAT16)
 - Internet Explorer web browser
 - AOL, AT&T WorldNet, CompuServ
 - Media Player
 - ActiveMovie (MPEG-1, AVI)
 - Video for Windows
 - CD Audio Player
 - MIDI Sequencer
 - 1. Lotus SmartSuite 97
 - WordPro Work Processor
 - 1-2-3 Spreadsheet
 - Freelance Graphics
 - Approach Database
 - Organizer Scheduler
 - ScreenCam
 - 2. IBM Anti-Virus
 - 3. PointCast (with ThinkPad Channel)
 - 4. ThinkPad Customization Icon
 - 5. Notebook Manager
 - 6. Ergonomics
 - 7. IntelliQuest Registration Mailer
 - 8. Password Protected Marketing Demo
 - 9. PhoenixCard Manager
 - (no diskette factory)
- CD-ROMs included in shipping carton:
Application CD-ROM (includes Lotus SmartSuite 97, W95/W31/DOS device drivers, preloaded applications)
- Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)

System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.

No suspend mode; has standby and hibernation mode

FEATURES OF 310 MODELS

Plug and Play 1.0a
Standby and hibernation modes
Color LED indicator
US EPA Energy Star compliant
Personalized nameplate indentation
International Warranty Service
24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service

IBM ThinkPad 345 (non-US) - withdrawn

IBM® ThinkPad®:	⊗ 345CS dual scan color	⊗ 345C TFT color	ThinkPad 345 is a fast, lightweight, full function, TFT or dual scan color notebook at a very attractive price point	
Processor type	IntelDX4		⊕ Entry priced ThinkPad	
Processor speed	75/25 MHz / 3.3 volt		⊕ Large color 10.4" dual scan or TFT display	
Memory cache	16 KB internal (no L2 cache)		⊕ Fast IntelDX4 75/25 MHz	
Coprocessor socket	Integrated in DX4		⊕ Lightweight (5.2 or 5.5 pounds)	
Processor / L2 upgrade	None		⊕ TrackPoint III	
Diskette drive	3.5" 1.44 MB (not removable)			
Removable CD-ROM	None			
Price	\$	\$	\$	\$
Type - model	2610-EYF	2610-EYG	2610-FYF	2610-FYG
IDE disk - size	360 MB	540 MB	360 MB	540 MB
Hard drive - speed	13 ms	13 ms	13 ms	13 ms
Avail / withdrawn date	Sep 1995 / Jan 1996		Sep 1995 / Apr 1996	
Display - type	VGA color / 640 x 480		VGA color / 640 x 480	
Display - colors	256 simultaneous colors		256 simultaneous colors	
Display - technology	Dual Scan - passive matrix		Black Matrix TFT - active matrix	
Display - diagonal size	10.4 inch		10.4 inch	
Display - contrast ratio	20 to 1		100 to 1	
180 degree display tilt	Yes		Yes	
Graphics - controller	WD90C24A Rev C with 1 MB DRAM			
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 60 Hz)			
Graph - arch/data path	VL-Bus local bus / 32 bit / Simultaneous LCD and CRT			
Memory - std / max	4 MB / 20 MB 70 ns / non-parity / 5 volt		Memory upgraded via	
Mem - sockets empty	1 socket		1 open socket for IC DRAM	
Mem - options available	4, 8, 16 MB IC DRAM		memory card for 20 MB max	
Keyboard / # of keys	Full size alp/num / 85 keys / quiet keyboard			
Fn key functions	7 (in any appl)			
Keyboard slope	None			
Mouse/pointing	TrackPoint III™ (no drag lock)			
Ext keyboard support	Yes (with optional cable)			
Dimensions	11.7 x 8.3 x 1.9"		11.7 x 8.3 x 2.0"	
Cubic inches	184 inches		194 inches	
Color	Black		Black	
Weight (with battery)	5.2 pounds		5.5 pounds	
Battery - type	Nickel hydride (NiMH) / non-intelligent			
Batt - life (per battery)	2.5 to 5 hours			
Charge time - on / off	2 hrs / 1.5 hr			
Architecture	AT bus (ISA)			
Docking Station	None			
Port replicator	None			
PCMCIA™ 2.1 slots	1 Type I or 1 Type II or 1 Type III			
Serial / parallel ports	Yes (one 9 pin) 16550A / Yes (EPP)			
Other features	APM-aware BIOS / Selectable boot AC adapter, 35 watts, worldwide, 3 pin, not wallmount			
Audio support	Audio beep only			
Security	Power-on password Locking device keyhole (Kensington™ MicroSaver™ cablelock)			
Preinstalled software	IBM DOS 7.0, Windows™ 3.11, and all appls listed to right:			
Warranty	1 year - ThinkPad EasyServ only			
Warranty options	None			

<p>PREINSTALLED APPLICATIONS</p> <ul style="list-style-type: none"> - IBM PC DOS 7.0 - Windows 3.11 - IBM PC Card Director for PCMCIA - IBM ThinkPad Demo - ThinkPad features; Diskette Factory 1. Lotus® cc:Mail, for the IBM Global® network, 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0, 4. Triton CoSession™ Host, 5. PRODIGY®, 6. SofNet FaxWorks™ 3.0 7. AlphaNet™ FollowFax™ 8. Sedona REPRINT™ 9. Video for Windows™ 1.1 Runtime

<p>The ThinkPad 345 family has the same physical design as the ThinkPad 340</p>	<p>Options for 345:</p> <ul style="list-style-type: none"> - 4 MB IC DRAM 70 ns Parity 92G7232 - 8 MB IC DRAM 70 ns Parity 92G7233 - 16 MB IC DRAM 70 ns Parity 92G7234 - 4 MB IC DRAM 70 ns non-Parity 92G7236 - 8 MB IC DRAM 70 ns non-Parity 92G7237 - 16 MB IC DRAM 70 ns non-Parity 92G7424 - NiMH Battery Pack (Worldwide) 85G7637 - NiMH Battery Pack (Japan) 95G7638 - NiMH Battery Pack (EMEA) 85G7605 - 35 watt AC Adapter (Worldwide) 85G6680 - 35 watt AC Adapter (Japan) 85G6682 - 35 watt AC Adapter (EMEA) 85G6683 	<p>FEATURES OF 345 FAMILY</p> <p>3 power saving modes: standby, suspend, and hibernation</p> <p>Personalized nameplate in molded indentation</p> <p>Battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>US EPA Energy Star compliant</p>
<p>PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:</p> <ol style="list-style-type: none"> ① automatic config of many PCMCIA cards; ② visual/audible confirmation of insertion/removal of cards; ③ ability to automatically launch an appl (e.g. async emulation) when card inserted; ④ status and info on PCMCIA cards installed. 	<p>IC DRAM parity memory from the above options will work but without parity</p>	<p>HELPPWARE</p> <p>International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee</p>
<p>Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.</p>		
<p>Hard disk and diskette drive are not removable. Keyboard does not lift up.</p>		

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).
 □ = Upgradeable; ○ = Removable; ⊗ = Withdrawn from marketing

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 No warranties are expressed or implied in this summary
 (345) Compiled by Roger Dodson, IBM. May 1996

IBM ThinkPad 380E

IBM® ThinkPad®:	380E 12.1" SVGA FRSTN	
Processor type	Pentium® MMX 150/60 MHz / 64 bit transfer to L2 cache / 64 bit transfer to memory	
Processor upgrade	None	
L2 cache	256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst	
Diskette drive	Internal 3.5" 1.44 MB / on right side	
External FDD port	None since diskette internal	
CD-ROM	None standard / internal 8 x CD-ROM option available (not customer install)	
Type - model (code)	2635-40U (Monroe-2)	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up
Preload (see side)	Windows 95 OSR2	
Available date	September 1997	
Disk - size / ms	2.1 GB / 13 ms / PIO Mode 4	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer	
Display - size and type	12.1 inch FRSTN color	
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan / Fast Response Super Twisted Nematic (FRSTN) / 150 ms / 70 nits 65,536 simultaneous colors / 35 to 1 contrast ratio	
Graphics - controller	NeoMagic™ MagicGraph128ZV™ (NM2093) / 128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw	
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors	
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt	
Memory - std / max	16 MB / 80 MB / non-parity / 3.3 volt / EDO	
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw	
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator	
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator	
Pointing / palm rest	TrackPoint III™ / no drag lock keys	
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)	
Weight	6.7 pounds (3.0 kg)	
Battery - type / life	NiMH / non-intelligent / 2.0 hrs	
Charge time - on / off	3.5 to 10 hrs / 2.8 hrs	
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCISet / Intel 82371MX PIIx / NS PC87338	
Docking Station	None	
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad Enhanced Port Replicator	
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / Zoomed Video support in lower slot / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Universal AC adapter; barrel (35 or 56 watts)	
Video in/out	None	
MPEG decoder	None (software support for MPEG-1 in Windows 95)	
Data/fax modem	None	
Audio support	16 bit audio chip / 20 voice MIDI FM Synthesis / Crystal Semiconductor™ CS4236 One internal speaker / .5 watt / dial volume control / int mic / full duplex spk/mic	
Audio in/out jacks	Input/microphone jack (stereo) / output jack (stereo) / no joystick port	
Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps	
Security	Power-on password / Hard disk password / security keyhole / personalization	
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)	
Warranty	1 year - ThinkPad EasyServ (depot repair service) or carry-in	
Service options	On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years	

WINDOWS 95 PRELOAD

- Microsoft Windows 95 OSR2 (FAT16)
- Online User's Guide
- ThinkPad Features Program
- SystemSoft CardWorks™
- Diskette Factory and Utilities
- 1. Artisoft CoSession™ Host
- 2. NetFinity for Windows 95
- 3. Puma TranXit™
- 4. IBM Anti-Virus
- 5. IBM Global Network (IGN Dialer)
- 6. Netscape Navigator browser
- 7. Media Player
- 8. IntelliQuest Registration Mailer
- 9. Ergonomics
- 10. PointCast (with ThinkPad channel)
- 11. Marketing Demo
- 12. Voyetra Audio Station
- 13. Quicken SE
- Lotus SmartSuite CD-ROM
- Recovery CD-ROM with boot diskette
- Windows 95 CD-ROM (no installation)

- Fn + F2 = Battery guage
- Fn + F3 = Standby
- Fn + F4 = Suspend
- Fn + F7 = LCD/CRT/Simultaneous
- Fn + F11 = Power mgmt
- Fn + F12 = Hibernation

Easy-Setup is entered by holding F1 when turning on.

- 1.08 GB = DMA Mode 2 or PIO Mode 4
- 1.35 GB = DMA Mode 2 or PIO Mode 4
- 2.1 GB = DMA Mode 2 or PIO Mode 4
- 3.0 GB = DMA Mode 2 or PIO Mode 4
- 5.1 GB = Ultra DMA/33 or PIO Mode 4

FEATURES OF 380 MODELS

- Quick Setup Guide
- System Status Indicators
- Plug and Play 1.0a
- Standby, suspend, safe suspend (RediSafe), and hibernation modes
- US EPA Energy Star compliant
- Personalization screen at startup
- International Warranty Service**
- IBM SystemXtra Program**
- 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support**
- IBM and dealer warranty/service**
- Online Housecall (remote diagnostics)**

<p>The ThinkPad Enhanced Port Replicator provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:</p> <ul style="list-style-type: none"> - Dual IBM lock slots to secure the ThinkPad 380, PC Cards, and Port Replicator <p>Port Replicator connectors:</p> <ul style="list-style-type: none"> - USB - Serial (9 pin); parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive conntr - not on system - Power connector (requires AC power; can not run on battery) <p>Features of the PC Card slots:</p> <ul style="list-style-type: none"> - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32 bit) - 8/16 bit PC Card support (no Zoomed Video) - Texas Instruments PCI1131 controller - Requires no PCI-to-PCI bridge 	<p style="text-align: center;">OPTIONS</p> <table border="0"> <tr> <td>- 8 MB SO DIMM 3.3v NP EDO 64 bit</td> <td>92G7340</td> </tr> <tr> <td>- 16 MB SO DIMM 3.3v NP EDO 64 bit</td> <td>92G7341</td> </tr> <tr> <td>- 32 MB SO DIMM 3.3v NP EDO 64 bit</td> <td>92G7342</td> </tr> <tr> <td>- 64 MB SO DIMM 3.3v NP EDO 64 bit</td> <td>76H0268</td> </tr> <tr> <td>- ThinkPad 560 Port Replicator</td> <td>46H4209</td> </tr> <tr> <td>- ThinkPad 380/385 Port Replicator</td> <td>84G1316</td> </tr> <tr> <td>- ThinkPad Enhanced Port Replicator</td> <td>11J8997</td> </tr> <tr> <td>- ThinkPad 380/385 Li-Ion Battery</td> <td>73H9793</td> </tr> <tr> <td>- 35 watt AC Adapter (barrel, slim)</td> <td>76H0139</td> </tr> <tr> <td>- 56 watt AC Adapter (barrel; 3 prong)</td> <td>83H6739</td> </tr> <tr> <td>- 8 x CD-ROM</td> <td>73H9795</td> </tr> <tr> <td>- 2.1 GB Disk 13 ms</td> <td>73H9797</td> </tr> <tr> <td>- 3.2 GB Disk 13 ms</td> <td>02K0487</td> </tr> <tr> <td>- 5.1 GB Disk 12 ms</td> <td>02K0506</td> </tr> <tr> <td>- 33.6 Kbps Modem with XJACK</td> <td>55H6759</td> </tr> <tr> <td>- 56K PC Card Modem Kit</td> <td>04K0052</td> </tr> </table>	- 8 MB SO DIMM 3.3v NP EDO 64 bit	92G7340	- 16 MB SO DIMM 3.3v NP EDO 64 bit	92G7341	- 32 MB SO DIMM 3.3v NP EDO 64 bit	92G7342	- 64 MB SO DIMM 3.3v NP EDO 64 bit	76H0268	- ThinkPad 560 Port Replicator	46H4209	- ThinkPad 380/385 Port Replicator	84G1316	- ThinkPad Enhanced Port Replicator	11J8997	- ThinkPad 380/385 Li-Ion Battery	73H9793	- 35 watt AC Adapter (barrel, slim)	76H0139	- 56 watt AC Adapter (barrel; 3 prong)	83H6739	- 8 x CD-ROM	73H9795	- 2.1 GB Disk 13 ms	73H9797	- 3.2 GB Disk 13 ms	02K0487	- 5.1 GB Disk 12 ms	02K0506	- 33.6 Kbps Modem with XJACK	55H6759	- 56K PC Card Modem Kit	04K0052
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ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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No warranties are expressed or implied in this summary
(380E) Compiled by Roger Dodson, IBM. November 1997

IBM ThinkPad 380ED

IBM® ThinkPad®:	380ED 12.1" SVGA FRSTN or TFT / 8-20x CD-ROM																												
Processor type	Pentium® MMX™ 166/66 MHz / 64 bit transfer to L2 cache / 64 bit transfer to memory		All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up																										
Processor upgrade	None																												
L2 cache	256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst																												
Diskette drive	Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side																												
External FDD port	None since diskette internal																												
CD-ROM	5.25" CD-ROM / 8-20x speed / CAV / multi-session / XA / ATAPI / not bootable / not removable / on right side																												
Type - model (code)	2635-5AU (Monroe-2)	2635-6AU (Monroe-2)	2635-7AU (Monroe-2)																										
Preload (see side)	Windows 95 OSR2	Windows 95 OSR2	Windows 95 OSR2																										
Available date	September 1997	September 1997	September 1997																										
Disk - size / ms	2.1 GB / 13 ms / PIO Mode 4	3.0 GB / 13 ms / PIO Mode 4	5.1 GB / 12 ms / PIO Mode 4																										
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer																												
Display - size and type	12.1 inch FRSTN color		12.1 inch TFT color																										
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan / FRSTN / 150 ms / 70 nits 65,536 sim colors / 35 to 1 contrast		SVGA / 640 x 480 or 800 x 600 Active Matrix TFT / 75 ms / 100 nits 65,536 simultaneous colors / 100 to 1 contrast ratio																										
Graphics - controller	NeoMagic™ MagicGraph128ZV™ (NM2093) / 128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw																												
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors																												
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt																												
Memory - std / max	16 MB / 80 MB / non-parity / 3.3 volt / EDO																												
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw																												
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator																												
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator																												
Pointing / palm rest	TrackPoint III™ / no drag lock keys																												
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)																												
Weight	7.0 pounds (3.2 kg)																												
Battery - type / life	Li-Ion / non-intelligent / 2.0 hrs	Li-Ion / non-intelligent / 2.5 hrs																											
Charge time - on / off	4.2 to 12 hrs / 3.3 hrs																												
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCiset / Intel 82371MX PIIx / NS PC87338																												
Docking Station	None																												
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator																												
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / Zoomed Video support in lower slot / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)																												
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																												
Other features	APM-aware BIOS / Universal AC adapter; barrel (35 or 56 watts)																												
Video in/out	None																												
MPEG decoder	None (software support for MPEG-1 in Windows 95)																												
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Audio in/out jacks	Input/microphone jack (stereo) / output jack (stereo) / no joystick port																												
Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps																												
Security	Power-on password / Hard disk password / security keyhole / personalization																												
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)																												
Warranty	1 year - ThinkPad EasyServ (depot repair service) or carry-in																												
Service options	On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years																												
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(380ED) Compiled by Roger Dodson, IBM. November 1997

IBM ThinkPad 310 (EMEA) - withdrawn

IBM® ThinkPad®:	⌘ 310	⌘ 310	⌘ 310D
	11.3" Dual Scan SVGA color	11.3" TFT SVGA color	11.3" Dual Scan SVGA color / 10 x CD-ROM
Processor type	Pentium® 133/66 MHz (P54CSLM) / 64 bit to transfers to L2 cache and memory		
Processor upgrade	None		
L2 cache	256 KB / write-back / direct mapped / 7 ns / synchronous pipelined burst		
External FDD port	External FDD port (works with standard external diskette on CD-ROM-based model; or use if upgrade to CD-ROM)		
Diskette drive	Internal 3.5" 1.44 MB (on left side)		External 3.5" 1.44 MB (connect to rear)
CD-ROM drive	None (upgrade available)	None (upgrade available)	10 x CD-ROM / bootable(left side) / CAV
Code name	LaCrosse	LaCrosse	LaCrosse
Price			
Type - model	2600-100	2600-300	2600-200
Preload (see side)	Windows 95 OSR2		
Avail / withdrawn date	June 1997 / January 1998		
Disk - size / ms	1.08 GB / 13 ms read; 14 ms write / PIO Mode 4		
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk		
Display - size and type	11.3" Dual Scan SVGA color	11.3" TFT SVGA color	11.3" Dual Scan SVGA color
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio		11.3" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio
Graphics - controller	C&T™ 65550 HiQV32™ / 64 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / interpolation / color space conversion		
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt / Zoomed Video support		
Graphics - external	External SVGA to 1024 x 768 with 256 colors		
Memory - std / max	16 MB / 64 MB / one 16 MB SO-DIMM is installed in one of two sockets		
Memory - features	60 ns / non-parity / 3.3 volt / EDO / memory installed from bottom of system		
Memory - upgrade	1 socket available for two JEDEC 144 pin EDO SO-DIMM of 8, 16, or 32 MB		
Keyboard / # of keys	Full size alp/num / 85 keys (9 Fn key functions)		
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / no liftup keyboard		
Pointing device	TrackPoint III™ / no drag lock keys		
Palm rest	Integrated palm rest / external keyboard support (no optional cable)		
Dimensions	11.7 x 8.9 x 1.9" (198 cubic inches)		
Weight	6.6 pounds (3.0 kg)	6.6 pounds (3.0 kg)	7.0 lbs (3.2 kg)
Battery - type	NiMH / non-intelligent / battery unique to 310 / insert from right side		
Battery - life	2.5 hours		
Charge time - on / off	3.5 to 10 hrs / 2.8 hrs / no non-disruptive battery exchange		
Architecture	ISA (audio, diskette, serial, parallel) / ALI® Aladdin III M1521/M1523 chipset PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA) NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI)		
Docking Station	None		
Port replicator	None		
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 32 bit PCI / Zoomed Video support in lower slot		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS		
Video in/out	None		
MPEG decoder	None		
Data/fax modem	None		
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control / internal microphone		
Audio jacks	Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)		
Telephone	None		
Infrared ports	None		
Security	Power-on password / Setup password (for Notebook Manager and BIOS Utility) / Diskette and disk write protect and disable / Locking device keyhole on back (Kensington™ cable lock)		
Preinstalled software	Windows 95 with applications (listed on right)		
Warranty	1 year - carry-in		
BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.	Compatible in ThinkPad 310 family:		
Fn + F1 = Hot key help	- 2.1 GB HDD 13/14 ms (user upgradeable) 11J8643		
Fn + F2 = Brightness/contrast	- NiMH Battery 11J8639		
Fn + arrows = Adjust brightness/contrast	- AC Adapter, 3 prong w/o power cord 11J8699		
Fn + F3 = LCD/CRT/Simultaneous	- AC Adapter, 3 prong with US power cord 11J8702		
Fn + F4 = Fuel gauge	- 8 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8635		
Fn + F5 = Audio volume	- 16 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8636		
Fn + arrows = Adjust volume	- 32 MB SO DIMM 3.3v NP EDO 64 bit, gold 11J8637		
Fn + F6 = Power mgmt and system info	- 10 x CD-ROM w/ external FDD/cable (dealer installable only) 11J8676		
Fn + F7 = Standby	- PCMCIA 28.8 Kbps International 42H4319		
Fn + F8 = Hibernation			
Fn + Esc = Close Hot key icon			
	<p>WINDOWS 95 PRELOAD</p> <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Notebook Manager - PhoenixCard Manager - (no diskette factory) 1. IBM Anti-Virus 2. IntelliQuest Registration Mailer 3. ThinkPad Customization Icon - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation) <p>Disk is not removable, but it can be upgraded via a dealer or service center (not customer installable).</p> <p>System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.</p> <p>FEATURES OF 310 MODELS</p> <p>Plug and Play 1.0a Standby and hibernation modes Color LED indicator US EPA Energy Star compliant Personalized nameplate indentation International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service</p>		

IBM ThinkPad 350, 350C, 500, 510Cs - withdrawn

IBM® ThinkPad®:	≧ 350 monochrome	≧ 350C passive color	≧ 500 sub-notebook	≧ 510Cs color sub-notebook
Processor type	All: 80486 SL (no math co)		80486 SLC2	Blue Lightning 486BL2-50
Processor speed	All: 25 MHz		50/25 MHz	50/25 MHz
Memory cache	All: 8 KB internal (no L2)		16 KB internal (no L2)	16 KB internal (no L2 cache)
Coprocessor socket	All: No		No	No
Diskette drive	All: 3.5" 1.44 MB		External 3.5" 1.44 MB	External 3.5" 1.44 MB (9 oz.)
Price (retail USD)	\$ 1,499	\$ 1,899	\$ 799	\$ 1,799
Type - model	2618-J0A	2618-LOA	2603-08N	2604-C2U
Hard drive - size	125 MB	250 MB	85 MB	200 MB
Hard drive - speed	15 ms	12 ms	15 ms	17 ms
Avail / withdrawal date	June 93 / withd Sep 94	June 93 / withd Sep 94	Dec 93 / withd Jan 95	June 94 / w May 95
Display - type	VGA mono	VGA color	VGA mono	VGA color
Display - grey scales	64 grey scales	256 colors 640 x 480	64 grey scales	256 colors 640 x 480
Display - technology	STN	STN - passive matrix	STN	STN - passive matrix
Display - light source	LCD - Backlit	LCD - Backlit	LCD - backlit	LCD - backlit
Display - size (diag)	9.5 inch	9.2 inch	7.24 inch	7.7 inch
Display - contrast ratio	18 to 1	13 to 1; Single scan	18 to 1	14 to 1; Single scan
180 degree display tilt	Yes (external SVGA)	Yes (external SVGA)	Yes (external SVGA)	Yes (external SVGA)
Graphics - controller	All: 65530 / External VGA is ISO capable (75Hz)		WD90C26	WD90C24A2 / 1 MB video mem
Graphics - vendor	All: Chips & Technologies, Inc.		Western Digital	Western Digital
Graphics - arch/data path	All: Local bus / 16 bit / Peripheral Interface		ISA 16 bit	VL-Bus / VESA 32 bit local bus
Memory - std / max	All: 4 / 20 MB 80 ns		4 / 12 MB 80 ns	4 / 20 MB 80 ns
Mem - sockets empty	All: 1 socket (non-parity)		1 socket (non-parity)	1 socket (non-parity)
Mem - options available	All: 4, 8, 16 MB SIMMs		4, 8 MB ICs (3.3 volt)	4, 8, 16 MB ICs (3.3 volt)
Keyboard / # of keys	All: Full size alp/num/ 85		90% size alp/num/ 81	90% size alp/num/ 81
Fn key functions	All: 2 (in any appl)		11 (in any appl)	15 (in any appl)
Keyboard slope	All: Yes (back panel)		No	No
Mouse/pointing	All: TrackPoint II™		TrackPoint II	TrackPoint II
Ext keyboard support	All: Yes (with opt cable)		No	Yes (on MultiPort)
Dimensions	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.0"	10.1 x 7.2 x 1.6"	10.1 x 7.2 x 1.7"
Cubic inches	184 inches	194 inches	116 inches	124 inches
Carrying case	Many options	Many options	Many options	Many options
Color	Black	Black	Black	Black
Weight (with battery)	5.2 pounds	5.8 pounds	3.4 pounds / 3.7 (170M)	4.0 pounds
Battery - type	Nickel hydride (NiMH)	Nickel hydride (NiMH)	Nickel hydride (NiMH)	Nickel hydride (NiMH)
Batt - life (per battery)	2.7 to 9 hours	2 to 7.5 hours	3.5 to 9 hours	2.5 to 8 hours
Charge time - on / off	2 hrs / 1 hr	2 hrs / 1 hr	3 hrs / 1.5 hrs	2.5 hrs / 1.5 hrs
Architecture	All: AT bus (ISA)		AT bus (ISA)	AT bus (ISA)
Docking Station	All: No		No (withdrawn 500)	No
Port replicator	All: No		No had sealed lead	Yes (MultiPort ships standard)
Modem/serial slot	All: Modem only		No acid battery)	No
PCMCIA 2.01 slots	All: 1 Type I or 1 Type II		1 Type I or 1 Type II	1 Type I or 1 Type II
Visible LEDs - closed	All: Yes		Yes	Yes
Serial / parallel ports	All: Yes / Yes		Yes (cable) / Yes (EPP)	Yes (MultiPort) / Yes (EPP)
APM-aware BIOS	All: APM-aware BIOS		APM-aware BIOS	APM-aware BIOS
Other features	All: Wallmount AC adapter		Hibernation mode	Microsaver™ security connector
	All: Personalized nameplate in indentation		Personalized nameplate	Hibernation mode
	All: Coupon book with \$4,000 in savings		Coupon book w/ sav	Personalized nameplate in indentation
Preinstalled software	All: IBM DOS 5.02, PRODIGY®		IBM DOS 6.1, PRODIGY	Personal greeting screen at startup
			After July 1 only on	IBM DOS 6.3, Windows 3.1,
			17N: see below	Demo, and 8 appls listed below
Warranty	All: 1 year - carry in or EasyServ (opt onsite)		1 year - carry in or EasyServ (opt onsite)	1 year - carry in or EasyServ (optional onsite for \$40 a year)

<p>FEATURES OF 500 and 510Cs</p> <p>500: External cable has 2 connectors for serial port and external diskette drive</p> <p>510: External cable has 1 connector for external diskette drive (serial port on MultiPort).</p> <p>MultiPort: A port replicator with connectors for diskette drive, external display, mouse/ keyboard, and serial device (ships with 510Cs). Plugs into 160 pin connector on back.</p> <p>3 power saving modes: doze, suspend, hibernation.</p> <p>Batteries in 500 and 510Cs are NOT compatible</p> <p>≧ Withdrawn from marketing</p>	<p>SOFTWARE PREINSTALLED ON 500-17N (after July 1, 1994) and 510Cs</p> <p>IBM DOS 6.3, Windows 3.1, Demo, and 8 appls:</p> <p>① Lotus cc:Mail, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk 1.0, ⑤ Triton CoSession Host, ⑥ PRODIGY, ⑦ America Online, ⑧ SofNet FaxWorks 3.0</p> <p>EasyPlaying (PC Card Director™) is preloaded and on the utility diskette for DOS, Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers).</p>	<p>FEATURES OF ALL PRODUCTS</p> <p>Suspend/resume mode; battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>Simultaneous LCD and external CRT</p> <p>US EPA Energy Star compliant</p> <p>International travelers warranty IBM or dealer warranty/service</p> <p>30 day money back guarantee</p> <p>24 hour / 7 day fax support</p> <p>24 hour / 7 day bulletin board support</p> <p>24 hour / 7 day telephone support at 1-800-772-2227</p> <p>ThinkPad 500 memory (4, 8 MB IC 3.3 volt) is compatible with ThinkPad 510Cs.</p> <p>ThinkPad 510Cs MultiPort is NOT compatible with ThinkPad 500.</p>
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ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

♣ Price decrease effective July 13 (350C) and Aug 18 (510), 1994.

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No warranties are expressed or implied in this summary
(1THINK) Compiled by Roger Dodson, IBM. April 1995

IBM ThinkPad 360 - withdrawn

IBM® ThinkPad®:	≧ 360	≧ 360Cs	≧ 360C	≧ 360P	≧ Traveling Multimedia
	monochrome	dual scan color	TFT color	color pen	preconfigured system
Processor type	All: 80486 SX (no math coprocessor)			The 360P supports	
Processor speed	All: 33 MHz 3.3 volt (SL Enhanced)			pen based applications	
Memory cache	All: 8 KB internal (no L2 cache)			A preconfigured, multimedia 360Cs ;	
Coprocessor socket	All: No			Available June 94;	
Removable diskette	All: 3.5" 1.44 MB ○			Withdrawn May 1995	
Price (retail USD)	\$ 1,899	\$ 2,299	\$ 2,349	\$ 2,299 ✱	\$ 2,599 ✱
Type - model	2620-00D	2620-00F	2620-20D	2620-30D	2620-30F
Removable disk - size	170 MB □	340 MB □	170 MB □	340 MB □	170 MB □
Hard drive - speed	15 ms ○	14 ms ○	15 ms ○	14 ms ○	15 ms ○
Available date	May 94 / withd	May 95	May 94 / withd	Dec 95	June 94 / withd
Display - type	VGA mono	VGA color	VGA color	VGA color	VGA color
Display - grey scales	64 greyscales	640x480	256 colors	640 x 480	256 colors
Display - technology	STN	STN - passive matrix	STN - passive matrix	TFT - active matrix	STN - passive matrix
Display - light source	LCD - Backlit	LCD - Backlit	LCD - Backlit	LCD - Backlit	LCD - Backlit
Display - size (diag)	9.5 inch	9.5 inch	Dual scan	8.4 inch	9.5 inch
Display - contrast ratio	18 to 1	20 to 1	Yes	100 to 1	18 to 1
180 degree display tilt	Yes	Yes	Yes	Yes	Yes
Graphics - controller	All: WD90C24A2 with 1 MB DRAM / Graphics WinMarks 4.0 = 3.7			Includes untethered	
Graphics - vendor	All: Western Digital / External SVGA to 1024 x 768 with 256 colors			stylus to write on	
Graph - arch/data path	All: VL-Bus / 32 bit VESA local bus / Simultaneous LCD and CRT			pen-enabled screen	
Memory - std / max	All: 4 / 20 MB 70 ns			Diskette drive can be removed ① to reduce weight, ② to insert	
Mem - sockets empty	All: 1 socket (non-parity)			cellular modem (CDPD), ③ (360C only) to insert TV Tuner (on	
Mem - options available	All: 4, 8, 16 MB ICs (5.0 volts)			screen TV/VCR playback), or ④ to add other third party options.	
Keyboard / # of keys	All: Full size alp/num/ 85			Fn + F2 = Fuel gauge	
Fn key functions	All: 10 (in any appl)			Fn + F3 = Standby	
Keyboard slope	All: Yes (legs pop out)			Fn + F4 = Suspend	
Mouse/pointing	All: TrackPoint II™			Fn + F5 = Audio off/down	
Ext keyboard support	All: Yes (with optional cable)			Fn + F6 = Audio on/up	
Dimensions	11.7 x 8.3 x 1.7"		11.7 x 8.3 x 2.0"		11.7 x 8.3 x 1.9"
Cubic inches	165 inches		194 inches		185 inches
Carrying case	Many options		Many options		Many options
Color	Black		Black		Black
Weight (with battery)	5.6 pounds		6.2 pounds		6.1 pounds
Battery - type	Nickel hydride		Nickel hydride		Nickel hydride
Batt - life (per battery)	4.6 to 10 hours		3 to 7 hours		3.5 to 7 hours
Charge time - on / off	2 hrs / 1.5 hr		2 hrs / 1.5 hr		2 hrs / 1.5 hr
Architecture	All: AT bus (ISA)			An intelligent battery (standard in ThinkPad 750	
Docking Station	All: Yes (Dock I and II; same as 750/755)			and 755) is optional. The ThinkPad 360 battery	
Port replicator	All: Yes (Port Replicator I and II)			is lower cost, easy to use because no storage-	
Modem/serial slot	All: No			switch control is required, and shows % of	
PCMCIA 2.01 slots	All: 2 Type I or 2 Type II or 1 Type III			remaining power (compared to hours of remaining	
Serial / parallel ports	All: Yes (one 9 pin) / Yes (EPP)			power).	
Other features	All: APM-aware BIOS / Selectable boot				
	All: Wallmount AC adapter without powercord with retractable prongs, 30 watts				
	All: Hibernation mode saves memory to disk and shuts off system				
Security	All: Power-on password / Hard disk password / Hardware security loop / PCMCIA card lock / Optional Security Base				
Preinstalled software	All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications:			360P includes software to left and	
	① Lotus® cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12,			① PenDOS® 2.2, ② IBM ThinkWrite,	
	③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0,			③ Windows for Pen Computing 1.0	
	⑤ Triton CoSessions™ Host, ⑥ PRODIGY®, ⑦ America Online™, ⑧ SofNet FaxWorks™ 3.0				
Warranty	All: 1 year - carry in or EasyServ (optional onsite for \$40) / International travelers warranty				

<p>The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755.</p> <p>EasyPlaying (PC Card Director™) is preinstalled and on the utility diskette for DOS, Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers). This utility ships with ThinkPads 360, 510Cs, and 755 family.</p> <p>Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in Flash memory.</p>	<p>Compatible in all 360, 750, and 755 family:</p> <ul style="list-style-type: none"> - Hard disks (170, 250, 340, 540, 810 MB) - 1.44 MB diskette drive - Dock I and Dock II - Port Replicator I and Port Replicator II - CDPD Mobile Module (not pen models) - FDD (diskette) External Attachment kit - Keyboard/mouse connector - 360 battery does not work in ThinkPad 750/755, but 750/755 battery will work in 360 - Quick Charger - AC Adapter <p>Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.</p> <p>ThinkPad 750 and 755 options compatible ONLY in ThinkPad 360C:</p> <ul style="list-style-type: none"> - TV tuner and AD card 	<p>FEATURES OF 360 FAMILY</p> <p>3 power saving modes: standby, suspend, and hibernation</p> <p>Personalized nameplate in molded indentation</p> <p>External VGA is ISO capable (75 Hz)</p> <p>Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)</p> <p>Battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>US EPA Energy Star compliant</p> <p>International travelers warranty</p> <p>IBM or dealer warranty/service</p> <p>30 day money back guarantee</p> <p>24 hour / 7 day fax support</p> <p>24 hour / 7 day bulletin board support</p> <p>24 hour / 7 day telephone support at 1-800-772-2227</p> <p>Winstone 94 for 360C = 26.4</p>
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ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. STN = Super twisted nematic; □ = Upgradeable; ○ = Removable

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✱ Price decrease effective January 26, 1995; ≧ Withdrawn from marketing

IBM ThinkPad 360CSE / CE - withdrawn

IBM® ThinkPad®:	≧ 360CSE dual scan color	≧ 360CE TFT color	The 360CSE / CE is the same as the 360 (older models) except:			
Processor type	80486 DX2		360		360CSE / CE	
Processor speed	50/25 MHz 3.3 volt (SL Enhanced)		Mono, Dual scan, TFT, Pen		Dual scan, TFT	
Memory cache	8 KB internal (no L2 cache)		486SX - 33 MHz		486DX2 - 50/25 MHz	
Coprocessor socket	Integrated in 486DX2		No math cop possible		Integrated math cop	
Removable diskette	3.5" 1.44 MB ○ / supports internal 2.88 MB diskette		170, 340 MB std models		170, 340, 540 MB std	
Removable CD-ROM	None				More preloaded apps	
Price (retail USD)	\$ 2,399 ↘	\$ 2,699 ↘	\$ 3,049 ↘	\$ 2,799	\$ 3,099	\$ 3,449
Type - model	2620-80D	2620-80F	2620-80G	2620-90D	2620-90F	2620-90G
Removable disk - size	170 MB □	340 MB □	540 MB □	170 MB □	340 MB □	540 MB □
Hard drive - speed	14 ms ○	14 ms ○	14 ms ○	14 ms ○	14 ms ○	14 ms ○
Available date	Oct 94 / withdrawn Dec 95			Oct 94 / withdrawn Dec 95		
Display - type	VGA color / 640 x 480			VGA color / 640 x 480		
Display - colors	256 simultaneous colors			256 simultaneous colors		
Display - technology	Dual scan - passive matrix			TFT - active matrix		
Display - size (diag)	9.5 inch			8.4 inch		
Display - contrast ratio	20 to 1			100 to 1		
180 degree display tilt	Yes			Yes		
Graphics - controller	WD90C24A or A2 with 1 MB DRAM					
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 75 Hz)					
Graph - arch/data path	VL-Bus local bus / 32 bit / Simultaneous LCD and CRT					
Memory - std / max	4 MB / 20 MB 70 ns / non-parity / 5.0 volt					
Mem - sockets empty	1 socket					
Mem - options available	4, 8, 16 MB ICs					
Keyboard / # of keys	Full size alp/num / 85 keys					
Fn key functions	8 (in any appl)					
Keyboard slope	Yes (legs pop out)					
Mouse/pointing	TrackPoint II™					
Ext keyboard support	Yes (with optional cable)					
Dimensions	11.7 x 8.3 x 2.0"			11.7 x 8.3 x 1.9"		
Cubic inches	194 inches			185 inches		
Color	Black			Black		
Weight (with battery)	6.2 pounds			6.1 pounds		
Battery - type	Nickel hydride (NiMH)			Nickel hydride (NiMH)		
Batt - life (per battery)	2.9 to 7 hours			3.2 to 7 hours		
Charge time - on / off	2 hrs / 1.5 hr			2 hrs / 1.5 hr		
Architecture	AT bus (ISA)					
Docking Station	Dock I and II					
Port replicator	Port Replicator I and II					
Modem/serial slot	No					
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III					
Serial / parallel ports	Yes (one 9 pin) 16550B / Yes (EPP)					
Other features	APM-aware BIOS / Selectable boot Some models will have Wallmount AC adapter without powercord with retractable prongs, 30 watts Hibernation mode saves memory to disk and shuts off system Power-on password / Hard disk password / Hardware security loop / PCMCIA card lock / Optional Security Base					
Security						
Preinstalled software	IBM DOS 6.3, Windows™ 3.11, and all apps listed to right:					
Warranty	1 year - carry in or EasyServ (optional onsite for \$40)					

ALL 360 MODELS
Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory

The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I and II.

- Diskette drive can be removed
- to reduce weight
 - to insert cellular modem (CDPD)
 - to insert TV Tuner (for on screen TV and VCR playback)
 - to insert 2.88 MB diskette
 - to add other third party options

PREINSTALLED APPLICATIONS

- IBM PC DOS 6.3
 - Windows 3.11
 - IBM PC Card Director for PCMCIA
 - IBM ThinkPad Demo
 - Online Users Guide
 - ThinkPad features
- Lotus® cc:Mail, e-mail for Advantis® network,
 - Lotus Organizer 1.12,
 - Lotus ScreenCam 1.0,
 - Official Airline Guide Flight Disk® 1.0,
 - Triton CoSession™ Host,
 - PRODIGY®,
 - America Online™ SM,
 - SofNet FaxWorks™ 3.0
 - Taxi™
 - Second Nature Screen Saver
 - Farallon® Replica™
 - AlphaNet™ FollowFax™
 - Sedona REPRINT™
 - COMPEL™ Personal Edition
 - Reuters™ Money® Network

The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755 family.

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/removal of cards;
- ability to automatically launch an appl (e.g. async emulation) when card inserted;
- status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

				755
				755 CE/
	All	All	C/	CSE/
Battery compatibility:	360	750	CS	CD
84G2392 360 NiMH battery	Y	N	N	N
66G2846 750 NiMH battery	Y	Y	Y	N
85G1513 NiMH Batt Pack II	N	N	N	Y

Y = battery supported; N = not supported

Compatible in all 360 family, 360CSE / CE, 750 family, 755 family, 755CSE / CE, 755CD:

- Disks:	170 MB IDE disk	66G2849
	250 MB IDE disk	84G2391
	340 MB IDE disk	66G2849
	540 MB IDE disk	84G2150
	810 MB IDE disk	84G8250
- Dock I (1 slot / 1 bay)		3450001
- Dock II (2 slot / 2 bay)		84G3587
- Port Replicator I (w/ PCMCIA)		66G3510
- Port Replicator II		66G3520
- 1.44 MB diskette		std in newer
- 2.88 MB diskette		66G0108

Options for 360 (not pen), 360CSE / CE, 750 (not pen), 755, 755CSE / CE:

- CDPD Mobile module 71G2560

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

Options only for TFT models - 360C, 360CE, 750C, 755C, 755CE, 755CD

- TV Tuner 66G3689

FEATURES OF 360 FAMILY

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation

External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange

US EPA Energy Star compliant

HELPWARE

1 year warranty
International Warranty Service
24 hour / 7 day telephone, bulletin board, fax, and electronic support
IBM or dealer warranty/service
Online Housecall (remote diagnostics)
30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
□ = Upgradeable; ○ = Removable; ↘ Price decrease effective February 14, 1995.

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No warranties are expressed or implied in this summary (360E) - Compiled by Roger Dodson, IBM. December 1995

IBM ThinkPad 360PE - withdrawn

IBM® ThinkPad®: ⋈ 360PE dual scan color - pen		The ThinkPad 360PE has the same features as 360CSE except: ⓧ Pen enabled display ⓧ Untethered batteryless stylus (pen) ⓧ Display folds down to flat position to write on ⓧ 16 bit audio codec (vs no audio) ⓧ Audio in and audio out jacks ⓧ PenDOS, Pen Windows, and Monologue preinstalled ⓧ 35 watt universal AC adapter (vs 30 watt)	
Processor type 80486 DX2 Processor speed 50/25 MHz 3.3 volt (SL Enhanced) Memory cache 8 KB internal (no L2 cache) Coprocessor socket Integrated in 486DX2 Removable diskette 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette Removable CD-ROM None	Price (retail USD) \$3,699 \$4,049 Type - model 2620-BOF 2620-BOG Removable disk - size 340 MB □ ○ 540 MB □ ○ Hard drive - speed 14 ms 14 ms Avail / withdrawn date April 1995 / June 96 July 1995 / June 1996	ALL 360 MODELS Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory	
Display - type VGA color / 640 x 480 Display - colors 256 simultaneous colors Display - technology Dual scan - passive matrix Display - size (diag) 9.5 inch / 20 to 1 contrast ratio Display - pen enabled Pen enabled screen / folds flat / includes untethered batteryless stylus	Graphics - controller WD90C24A or A2 with 1 MB DRAM Graphics - vendor Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 75 Hz) Graph - arch/data path VL-Bus local bus / 32 bit / Simultaneous LCD and CRT		
Memory - std / max 4 MB / 20 MB 70 ns / non-parity / 5.0 volt Mem - sockets empty 1 socket Mem - options available 4, 8, 16 MB ICs	Keyboard / # of keys Full size alp/num / 85 keys Fn key functions 8 (in any appl) Keyboard slope Yes (legs pop out) Mouse/pointing TrackPoint II™ Ext keyboard support Yes (with optional cable)	The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I and II. Diskette drive can be removed ① to reduce weight ② to add other third party options	
Dimensions 11.7 x 8.3 x 2.1" Cubic inches 204 inches Color Black Weight (with battery) 6.8 pounds	Battery - type Nickel hydride (NiMH) Batt - life (per battery) 3 to 7 hours Charge time - on / off 2 hrs / 1.5 hr	PREINSTALLED APPLICATIONS - IBM PC DOS 6.3 - PenDOS® 2.2 - IBM ThinkWrite 1.21 - Windows 3.11 - Windows for Pen computing® 1.0 - IBM PC Card Director for PCMCIA - Online Users Guide - ThinkPad features 1. Lotus® cc:Mail, for the IBM Global® network 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0 4. Official Airline Guide Flight Disk® 1.0 5. Triton CoSession™ Host 6. PRODIGY® 7. America Online™ 8. SofNet FaxWorks™ 3.0 9. Taxi™ 10. Second Nature Screen Saver 11. Farallon® Replica™ 12. AlphaNet™ FollowFax™ 13. Sedona REPRINT™ 14. COMPEL™ Personal Edition 15. Reuters™ Money® Network 16. Monologue™	
Architecture AT bus (ISA) Docking Station Dock I and II Port replicator Port Replicator I and II PCMCIA™ 2.1 slots 2 Type I or 2 Type II or 1 Type III Serial / parallel ports Yes (one 9 pin) / Yes (EPP)	Audio support 16 bit audio codec on planar / Crystal Semiconductor™ CS4248 / int speaker Audio in/out jack Input jack / output jack Other features APM-aware BIOS / Selectable boot AC adapter, 35 watts, worldwide, not wallmount Hibernation mode saves memory to disk and shuts off system	FEATURES OF 360 FAMILY 3 power saving modes: standby, suspend, and hibernation Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz) Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch) Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant	
Security Power-on password / Hard disk password / Hardware security loop (secures unit, prevents opening keyboard) / PCMCIA card lock / Optional Security Base	Preinstalled software IBM DOS 6.3, Windows™ 3.11, pen op systems, and all appls listed to right: Warranty 1 year - ThinkPad EasyServ only Warranty options Onsite via special bid only / ThinkPad EasyServ Overnight Repair Option	HELPWARE 1 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee	
The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755 family. PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides: ① automatic config of many PCMCIA cards; ② visual/audible confirmation of insertion/removal of cards; ③ ability to automatically launch an appl (e.g. async emulation) when card inserted; ④ status and info on PCMCIA cards installed. Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.	Compatible in all 360 family, all 750 family, and all 755 family: - Disks: 170 MB IDE 66G2847 250 MB IDE 84G2391 340 MB IDE 66G2849 540 MB IDE 84G2150 810 MB IDE 84G8250 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 1.44 MB diskette std in newer	Options for 360PE: - AC Adapter, 35 watts 85G6680 - AC Adapter, 40 watts 49G2165 - AC Adapter, 40 w, wallmount 84G2148 - Car Battery Adapter 49G2167	
ThinkPad 360PE supported batteries: - 360 NiMH battery 84G2392 - 750 NiMH battery 66G2846 - 750 QuickCharger 66G2843	Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity.		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 □ = Upgradeable; ○ = Removable; ⋈ = Withdrawn from marketing

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 (360PE) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 365 (non-CD-ROM models) - withdrawn

IBM® ThinkPad®:	⋈ 365CS 10.4" dual scan	⋈ 365C 10.4" TFT	ThinkPad 365 strengths:				
Processor	Cyrix Cx486DX4™ 75/25 MHz / integrated math coprocessor					SELECTASYSTEM PRELOAD <ul style="list-style-type: none"> - IBM DOS 7.0 - Windows 3.11 - OS/2® Warp 3.0 (dual boot) with selected BonusPak applications - IBM PC Card Director™ 1.4 - IBM ThinkPad Demo - Online Users Guide - ThinkPad features ; Diskette Factory <ol style="list-style-type: none"> 1. Lotus® cc:Mail™, e-mail for IBM Global® Network 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host 5. PRODIGY® 6. SofNet FaxWorks™ 7. Video For Windows™ Runtime 8. Puma TranXit™ 9. Compuserv for Windows 10. NetFinity for Windows and OS/2 WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 - IBM ThinkPad Demo - Online Users Guide - ThinkPad features; Diskette Factory <ol style="list-style-type: none"> 1. Lotus® cc:Mail™, e-mail for IBM Global® network 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host 5. PRODIGY® 6. SofNet FaxWorks™ 7. Puma TranXit™ 8. Compuserve for Windows 	
Processor upgrade	None						
Memory cache	8 KB in DX4 (write back) / no L2 cache						
Diskette drive	Internal 3.5" 1.44 MB (not removable)						
CD-ROM	None (cannot upgrade)						
Price							
Type - model all 2625	203	W11	205	W12	2625-305		2625-W13
Part number	38H5711	41H8660	38H5712	41H8661	38H5714		41H8662
Preload (see side)	SelSys	Win 95	SelSys	Win 95	SelectaSystem		Windows 95
Disk - capacity	340 MB 340 MB		540 MB 540 MB		540 MB		540 MB
Disk - ms / interface	13 ms / EIDE		13 ms / EIDE		13 ms / EIDE		13 ms / EIDE
Avail / withdrawn date	Nov 1995 / Jun 96	Nov 1995 / Jun 96	Nov 1995 / Jun 96	Nov 95 / Jun 96	Nov 95 / Jun 96		Nov 1995 / Jun 96
Display - diagonal size	10.4" Dual scan			10.4" Black Matrix TFT - active matrix			
Display - type	VGA color / 640 x 480			VGA color / 640 x 480			
Display - colors	256 simultaneous colors			262,144 simultaneous colors			
Display - contrast	30 to 1			100 to 1			
Graphics - controller	Chips and Technologies™ 65545			Chips and Technologies 65545			
Graphics - memory	512 KB DRAM			1 MB DRAM			
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz						
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt						
Memory - std / max	8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page						
Memory - upgrade	1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB						
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)			Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); diskette drive is not removable			
Keyboard slope	Yes (legs pop out)						
Pointing	TrackPoint III™						
Ext keyboard support	Yes (with option cable or Port Replicator)						
Dimensions (cubic in)	11.7 x 8.3 x 2.0" (194 cubic inches)						
Weight (with battery)	5.9 pounds			5.8 pounds			
Battery - type	NiMH / non-intelligent						
Battery - life	3 to 9 hours						
Charge time - on / off	6 hrs / 2 hrs						
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, 100 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk)						
Docking Station	None						
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)						
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III						
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional)						
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS						
MPEG decoder	None						
Data/fax modem	None						
Audio support	None						
Audio in/out jacks	None						
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps						
Security	Power-on password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)						
Preinstalled software	Choice of two preloaded configurations (listed to right)						
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in						
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 			<p>Options for ThinkPad 365:</p> <ul style="list-style-type: none"> - 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 - 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293 - 720 MB EIDE HDD 13 ms PIO Mode 3 38H6306 - 810 MB EIDE HDD 13 ms PIO Mode 4 42H4012 - 1.08 GB EIDE HDD 13 ms Mode 4 69H7956 - Port Replicator and Charger 38H6303 - NiMH Battery Pack 38H6304 <p>Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt</p> <p>Fn + F2 = Battery gauge Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F8 = Reverse video Fn + F11 = Power mgmt Fn + F12 = Hibernation PgUp = Speaker enable PgDn = Speaker disable</p> <p>System enters hibernation mode when keyboard is lifted up.</p>				
			<p>Disk is not removable (like 755/760 systems), but it can be upgraded via tools</p> <p>FEATURES OF 365 MODELS</p> <ul style="list-style-type: none"> Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee 				

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ⋈ = Withdrawn from marketing

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 (365) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 365 (CD-ROM models) - withdrawn

IBM® ThinkPad®:	⊗ 365CSD	⊗ 365CD	ThinkPad 365 (CD-ROM models) strengths	
Processor	Cyrix Cx 486DX4™ 75/25 MHz / integrated math coprocessor			
Processor upgrade	None			
Memory cache	8 KB in DX4 (write-back) / no L2 cache			
Diskette (not internal)	External 3.5" 1.44 MB (connects to back of system) / use simultaneously w/ CD-ROM			
CD-ROM (not remove)	5.25" CD-ROM / double speed / multi-session / XA / front loaded / ATAPI			
Price				
Type - model	all 2625	2625-A05	2625-W14	2625-B05
Part number		38H5724	41H8663	38H5726
Preload (see side)		SelectaSystem	Windows 95	SelectaSystem
Disk - capacity		540 MB	540 MB	540 MB
Disk - ms / interface		13 ms / EIDE	13 ms / EIDE	13 ms / EIDE
Avail / withdrawn date		Nov 1995 / Jun 96	Nov 95 / Jun 96	Nov 95 / Jun 96
Display - diagonal size	10.4" Dual scan		10.4" Black Matrix TFT - active matrix	
Display - type	VGA color / 640 x 480		VGA color / 640 x 480	
Display - color	256 simultaneous colors		262,144 simultaneous colors	
Display - contrast	30 to 1		100 to 1	
Graphics - controller	Chips and Technologies™ 65545 with 1 MB DRAM			
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz			
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt			
Memory - std / max	8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page			
Mem - upgrade	1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB			
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)		Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); CD-ROM is not removable	
Keyboard slope	Yes (legs pop out)			
Pointing	TrackPoint III™			
Ext keyboard support	Yes (with option cable or Port Replicator)			
Dimensions (cubic in)	11.7 x 8.3 x 2.0" (194 cubic inches)			
Weight (with battery)	6.4 pounds		6.3 pounds	
Battery - type	NiMH / non-intelligent			
Battery - life	2.5 to 9 hours			
Charge time - on / off	6 hrs / 2 hrs			
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, 240 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk)			
Docking Station	None			
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)			
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III			
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional)			
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS			
MPEG decoder	None			
Data/fax modem	None			
Audio support	16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 with OPL3 Internal speaker / .5 watt / dial volume control / internal microphone			
Audio in/out jacks	Input jack (stereo) / microphone jack / output jack (stereo) Joystick/MIDI port (includes Joystick/MIDI cable)			
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps			
Security	Power-on password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)			
Preinstalled software	Choice of two preloaded configurations (listed to right)			
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in			
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 		<p>Options for ThinkPad 365:</p> <ul style="list-style-type: none"> - 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 - 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293 - 720 MB EIDE HDD 13 ms PIO Mode 3 38H6306 - 810 MB EIDE HDD 13 ms PIO Mode 4 442H4012 - 1.08 GB EIDE HDD 13 ms Mode 4 69H7956 - Port Replicator and Charger 38H6303 - NiMH Battery Pack 38H6304 <p>Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt</p> <p>Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F8 = Reverse video Fn + F11 = Power mgmt Fn + F12 = Hibernation PgUp = Speaker enable PgDn = Speaker disable</p> <p>System enters hibernation mode when keyboard is lifted up.</p>		
		<p>Disk is not removable (like 755/760 systems), but it can be upgraded via tools</p> <p>FEATURES OF 365 MODELS</p> <p>Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee</p>		
<p>ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.</p> <p>⊗ = Withdrawn from marketing</p>				

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IBM ThinkPad 365E - withdrawn

IBM® ThinkPad®: >= 365E 10.4" dual scan	ThinkPad 365 strengths: ⇨ Entry-priced notebook ⇨ Extensive software preload ⇨ Infrared port ⇨ Optional Port Replicator with battery charger and palm rest	
Processor Processor upgrade Memory cache Diskette drive CD-ROM	IBM 5x86c™ 100/33 MHz (Cyrix) / integrated math coprocessor None 16 KB in 5x86c (write back) / no L2 cache Internal 3.5" 1.44 MB (not removeable) None (can not upgrade)	
Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date	2625-W9A Windows 95 540 MB 13 ms / EIDE / PIO Mode 3 May 1996 October 1996	
Display - diagonal size Display - type Display - colors Display - contrast	10.4" Dual scan VGA color / 640 x 480 256 simultaneous colors 30 to 1	
Graphics - controller Graphics - memory Graphics - external Graph - arch/data path	Chips and Technologies™ 65545 1 MB DRAM External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt	
Memory - std / max Memory - upgrade	8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page 1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB	
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 Fn key functions) Yes (legs pop out) TrackPoint III™ Yes (with option cable or Port Replicator)	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); diskette drive is not removable
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubic inches) 5.9 pounds NiMH / non-intelligent 2.5 hours 6 hrs / 2 hrs	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diskette, serial, parallel, 100 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional) APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS	
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None None None Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps	
Security	Power-on password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)	
Preinstalled software Warranty	Windows 95 with utilities and applications (listed to right) 1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 	<p>Options for ThinkPad 365:</p> <ul style="list-style-type: none"> - 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 - 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293 - 810 MB EIDE HDD 13 ms Mode 4 42H4012 - 1.08 GB EIDE HDD 13 ms Mode 4 69H7956 - Port Replicator and Charger (old) 38H6303 replaced by 75H7529 - NiMH Battery Pack 38H6304 - 35 watt AC Adapter - 2 pin 85G6719 <p>Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt</p> <ul style="list-style-type: none"> Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F8 = Reverse video Fn + F11 = Power mgmt Fn + F12 = Hibernation PgUp = Speaker enable PgDn = Speaker disable <p>System enters hibernation mode when keyboard is lifted up</p> <p>Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver</p>	
<p style="text-align: center;">FEATURES OF 365 MODELS</p> <ul style="list-style-type: none"> Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) 		

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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 (365E) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 365ED - withdrawn

IBM® ThinkPad®:	➤ 365ED	
	10.4" dual scan - CD-ROM	
Processor	IBM 5x86c™ 100/33 MHz (Cyrix) / integrated math coprocessor	
Processor upgrade	None	
Memory cache	16 KB in 5x86c (write-back) / no L2 cache	
Diskette (not internal)	External 3.5" 1.44 MB (connects to back of system) / use simultaneously w/ CD-ROM	
CD-ROM (not remove)	5.25" CD-ROM / 4 x speed / multi-session / XA / front loaded / ATAPI	
Price		
Type - model	2625-W9G	
Preload (see side)	Windows 95	
Disk - capacity	540 MB	
Disk - ms / interface	13 ms / EIDE / PIO Mode 3	
Available date	May 1996	
Withdrawn date	October 1996	
Display - diagonal size	10.4" Dual scan	
Display - type	VGA color / 640 x 480	
Display - color	256 simultaneous colors	
Display - contrast	30 to 1	
Graphics - controller	Chips and Technologies™ 65545 with 1 MB DRAM	
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz	
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt	
Memory - std / max	8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page	
Mem - upgrade	1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB	
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); CD-ROM is not removable
Keyboard slope	Yes (legs pop out)	
Pointing	TrackPoint III™	
Ext keyboard support	Yes (with option cable or Port Replicator)	
Dimensions (cubic in)	11.7 x 8.3 x 2.0" (194 cubic inches)	
Weight (with battery)	6.4 pounds	
Battery - type	NiMH / non-intelligent	
Battery - life	2.3 hours	
Charge time - on / off	6 hrs / 2 hrs	
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, 240 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk)	
Docking Station	None	
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)	
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS	
MPEG decoder	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 with OPL3 Internal speaker / .5 watt / dial volume control / internal microphone	
Audio in/out jacks	Input jack (stereo) / microphone jack / output jack (stereo) Joystick/MIDI port (includes Joystick/MIDI cable)	
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps	
Security	Power-on password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)	
Preinstalled software	Windows 95 with utilities and applications (listed to right)	
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	

ThinkPad 365 (CD-ROM models) strengths

- **Entry-priced CD-ROM notebook**
- **Integrated audio, microphone, speaker**
- **Simultaneous external diskette**
- **Joystick/MIDI port**
- **Infrared port**
- **MPC2 compliant**

WINDOWS 95 PRELOAD

- Microsoft Windows 95
- Online Users Guide
- Diskette Factory
- PC Card Director 1.4
- 1. Triton CoSession™ Host
- 2. Puma TranXit™
- 3. NetFinity for Windows
- 4. CompuServ™ for Windows

The **Port Replicator and Charger** provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin)
- Parallel (EPP, ECP, 25 pin)
- External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin)
- Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

Options for ThinkPad 365:

- 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287
- 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293
- 810 MB EIDE HDD 13 ms Mode 4 42H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger (old) 38H6303 replaced by 75H7529
- NiMH Battery Pack 38H6304
- 35 watt AC Adapter - 2 pin 85G6719

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery gauge
 Fn + F3 = Standby
 Fn + F4 = Suspend
 Fn + F7 = LCD/CRT/Simultaneous
 Fn + F8 = Reverse video
 Fn + F11 = Power mgmt
 Fn + F12 = Hibernation
 PgUp = Speaker enable
 PgDn = Speaker disable

System enters hibernation mode when keyboard is lifted up

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

FEATURES OF 365 MODELS

- Product Map
- LED indicator panel
- Plug and Play 1.0a
- Non-disruptive battery exchange
- Doze, standby, suspend, safe suspend, and hibernation modes
- US EPA Energy Star compliant
- Personalized nameplate in indentation
- Personalization screen at startup
- International Warranty Service**
- 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support**
- IBM and dealer warranty/service Online Housecall (remote diagnostics)**

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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 (365ED) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 365X - withdrawn

IBM® ThinkPad®: ➤ 365X 10.4" SVGA TFT or DSTN color		Key differences between 365E and 365X:																	
Processor type Pentium® 100/66 / 64 bit transfer to memory Processor upgrade None L2 cache None (not upgradeable) Diskette drive Internal 3.5" 1.44 MB ○ (not removable) External FDD port External FDD port (used if purchase CD-ROM upgrade) Internal CD-ROM None standard / 4 x CD-ROM option available (not customer install)		<table border="1"> <thead> <tr> <th>365E</th> <th>365X</th> </tr> </thead> <tbody> <tr> <td>5x86c 100/33 MHz</td> <td>Pentium 100, 120, 133</td> </tr> <tr> <td>8 MB fast page (to 24 MB)</td> <td>8 MB EDO (to 40 MB)</td> </tr> <tr> <td>VL-Bus graphics and disk</td> <td>PCI graphics and disk</td> </tr> <tr> <td>10.4" VGA 640 x 480 LCD</td> <td>SVGA 800 x 600</td> </tr> <tr> <td>540 MB disk standard</td> <td>810 MB or 1.08 GB disk</td> </tr> <tr> <td>No integrated audio</td> <td>16 bit audio</td> </tr> <tr> <td>Phoenix BIOS</td> <td>IBM BIOS with Easy Setup and ThinkPad Features</td> </tr> </tbody> </table>		365E	365X	5x86c 100/33 MHz	Pentium 100, 120, 133	8 MB fast page (to 24 MB)	8 MB EDO (to 40 MB)	VL-Bus graphics and disk	PCI graphics and disk	10.4" VGA 640 x 480 LCD	SVGA 800 x 600	540 MB disk standard	810 MB or 1.08 GB disk	No integrated audio	16 bit audio	Phoenix BIOS	IBM BIOS with Easy Setup and ThinkPad Features
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Price Type - model 2625-6E7 Preload (see side) Windows 95 Avail / withdrawn date May 1996 / January 1997 Disk - size / ms 810 MB / 13 ms ○ / PIO Mode 4 Disk controller EIDE / busmaster / PCI 2.1 / supports one internal disk		2625-7E7 Windows 95 May 1996 / January 1997																	
Display - size and type 10.4 inch DSTN color Display - technology SVGA / 640 x 480 or 800 x 600 Dual scan 256 sim colors / 25 to 1 contrast ratio		10.4 inch TFT color SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 simultaneous colors / 100 to 1 contrast ratio																	
Graphics - controller Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns Graph - arch/data path PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors Graphics - features Simultaneous LCD and CRT / 180 degree tilt																			
Memory - std / max 8 MB / 40 MB Memory - features 70 ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB																			
Keyboard / # of keys Full size alp/num / 85 (6 Fn key functions) Keyboard slope Yes (legs pop out) Pointing / palm rest TrackPoint III™ / external keyboard support (w/ option cable or Port Replicator)		WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. CompuServ for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM																	
Dimensions 11.7 x 8.3 x 1.9" (185 cu in) Weight 6.0 pounds (2.7 kg)																			
Battery - type NiMH / non-intelligent Battery - life (1 batt) 2.5 hours Charge time - on / off 1.5 hrs / 1.2 hrs																			
Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); diskette drive is not removable																			
Architecture ISA (audio, PCMCIA, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics)																			
Docking Station None Port replicator Port Replicator and Charger (with built-in battery charger and palm rest) PCMCIA™ 2.1 slots 2 Type I or 2 Type II or 1 Type III Serial / parallel ports One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Other features APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot																			
Video in/out None MPEG decoder None Data/fax modem None Audio support 16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 One internal speaker / .5 watt / dial volume control / internal microphone Audio in/out jacks Input jack (stereo) / microphone jack / output jack (stereo) / no joystick port Infrared ports Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps																			
Security Power-on pwd / Hard disk pwd / Supervisor pwd / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)																			
Preinstalled software Microsoft Windows 95 wth applications (listed on right) Warranty 1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4																	
The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication. The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator. Port Replicator and Charger connectors: - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery)		Options for ThinkPad 365X: - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 810 MB EIDE HDD 13 ms 42H4012 - 1.08 GB EIDE HDD 13 ms 69H7956 - 1.4 GB EIDE HDD 3L 12.5 mm 82H8161 - Port Replicator and Charger 75H7529 - NiMH Battery Pack 38H6304 - 365X 4 x CD-ROM Drive 73H7225 - 35 watt AC Adapter (2 pin barrel) 85G6719 - 35 watt AC Adapter (slim, 2 pin) 76H0139 Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver																	
FEATURES OF 365 MODELS Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ○ = Removable

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 (365X) Compiled by Roger Dodson, IBM. December 1996

IBM ThinkPad 365X (Fall 1996 models) - withdrawn

IBM® ThinkPad®: >= 365X		
10.4" SVGA TFT or 11.3" SVGA DSTN color		
Processor type	Pentium® 120/60 or 133/66 MHz / 64 bit transfer to memory	
Processor upgrade	None	
L2 cache	None (not upgradeable)	
Diskette drive	Internal 3.5" 1.44 MB m (not removable)	
External FDD port	External FDD port (used if purchase CD-ROM upgrade)	
Internal CD-ROM	None standard / 4 x or 8 x CD-ROM option available which includes an external diskette drive (not customer install)	
Price		
Type - model	2625-3E9	2625-2E9
Preload (see side)	Windows 95	Windows 95
Avail / withdrawn date	October 1996 / July 1997	October 1996 / October 1997
Pentium speed	120/60 MHz	133/66 MHz
Disk - size / ms	810 MB / 13 ms ○ / PIO Mode 4	1.08 GB / 13 ms ○ / PIO Mode 4
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk	
Display - size and type	10.4 inch TFT color	11.3 inch DSTN color
Display - technology	SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 simultaneous colors / 100 to 1	SVGA / 640 x 480 or 800 x 600 Dual scan 256 simultaneous colors / 30 to 1 contrast ratio
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors	
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt	
Memory - std / max	8 MB / 40 MB	
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB	
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions)	
Keyboard slope	Yes (legs pop out)	
Pointing / palm rest	TrackPoint III™ / external keyboard support (w/ option cable or Port Replicator)	
Dimensions	11.7 x 8.3 x 1.9" (185 cu in)	
Weight	6.1 pounds (2.76 kg)	5.9 pounds (2.67 kg)
Battery - type	NiMH/non-intelligent	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); diskette drive is not removable
Battery - life	2.5 hours	
Charge time - on / off	1.5 hrs / 1.2 hrs	
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 MHz (EIDE, graphics)	
Docking Station	None	
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)	
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot	
Video in/out	None	
MPEG decoder	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 One internal speaker / .5 watt / dial volume control / internal microphone	
Audio in/out jacks	Input jack (stereo) / microphone jack / output jack (stereo) / no joystick port	
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps	
Security	Power-on pwd / Hard disk pwd / Supervisor pwd / Security keyhole (requires cable) / keyboard lock (requires cable)	
Preinstalled software	Microsoft Windows 95 wth applications (listed on right)	
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 		<p>Options for ThinkPad 365X:</p> <ul style="list-style-type: none"> - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 810 MB EIDE HDD 13 ms 42H4012 - 1.08 GB EIDE HDD 13 ms 69H7956 - 1.4 GB EIDE HDD 3L 12.5 mm 82H8161 - 2.1 GB HDD 13 ms 82H8175 - Port Replicator and Charger 75H7529 - NiMH Battery Pack 38H6304 - 35 watt AC Adapter (2 pin barrel) 85G6719 - 35 watt AC Adapter (slim, 2 pin) 76H0139 - 365X 4 x CD-ROM Drive 73H7225 - 8 x CD-ROM 83H6726 <p>Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation</p> <p>Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver</p>
		<p>WINDOWS 95 PRELOAD</p> <ul style="list-style-type: none"> - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. Compuserv for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM
		<p>Easy-Setup is entered by holding F1 when turning on.</p> <p>810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4</p>
		<p>FEATURES OF 365 MODELS</p> <p>Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
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(365X96) Compiled by Roger Dodson, IBM. October 1997

IBM ThinkPad 365XD - withdrawn

IBM® ThinkPad®: 365XD 10.4" SVGA DSTN / 10.4" SVGA TFT / 11.3" SVGA DSTN		Key differences between 365ED and 365XD:	
Processor type	Pentium® 100/66 or 120/60 MHz / 64 bit transfer to memory	365ED	365XD
Processor upgrade	None	5x86c 100/33 MHz	Pentium 100, 120, 133
L2 cache	None (not upgradeable)	8 MB fast page (to 24 MB)	8 MB EDO (to 40 MB)
Diskette drive	External 3.5" 1.44 MB (connects to back of system) / enclosed in a case with a cable / use simultaneously with CD-ROM	VL-Bus graphics and disk	PCI graphics and disk
External FDD port	External FDD port (works with standard external diskette; no kit reqd)	10.4" VGA 640 x 480 LCD	10.4" or 11.3" SVGA
CD-ROM (not remove)	5.25" CD-ROM / 4 x speed / multi-session / XA / front loaded / ATAPI	540 MB disk standard	810 MB, 1.08, 1.35 GB
Price		Phoenix BIOS	IBM BIOS
Type - model	≈ 2625-6E3	≈ 2625-DEF	≈ 2625-DEE
Preload (see side)	Windows 95	Windows 95	OS/2 Warp Connect
Avail / withdrawn date	May 1996 / January 1997	May 96 / Jan 97	July 1996 / Jan 1997
Pentium speed	100/66 MHz	120/60 MHz	120/60 MHz
Disk - size / ms	810 MB / 13 ms ○ / PIO Mode 4	1.08 GB / 13 ms ○ / PIO Mode 4	1.08 GB / 13 ms ○ / PIO Mode 4
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk		
Display - size and type	10.4 inch DSTN color	10.4 inch TFT color	11.3 inch DSTN color
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan 256 sim colors / 25 to 1 contrast ratio	SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 sim col / 100 to 1 contrast ratio	SVGA / 640 x 480 or 800 x 600 Dual scan 256 sim colors / 30 to 1 contrast ratio
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors		
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt		
Memory - std / max	8 MB / 40 MB		
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB		
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions)		
Keyboard slope	Yes (legs pop out)		
Pointing / palm rest	TrackPoint III™ / external keyboard support (w/ option cable or Port Replicator)		
Dimensions	11.7 x 8.3 x 1.9" (185 cubic inches)		
Weight	6.4 pounds (2.9 kg)		
Battery - type	NiMH / non-intelligent	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); CD-ROM is not removable	
Battery - life	2.5 hours		
Charge time - on / off	1.5 hrs / 1.2 hrs		
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics)		
Docking Station	None		
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)		
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot		
Video in/out	None		
MPEG decoder	None		
Data/fax modem	None		
Audio support	16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 One internal speaker / .5 watt / dial volume control / internal microphone		
Audio in/out jacks	Input jack (stereo) / microphone jack / output jack (stereo) / no joystick port		
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps		
Security	Power-on pwd / Hard disk pwd / Supervisor pwd / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / keyboard lock (requires Kensington)		
Preinstalled software	Microsoft Windows 95 wth applications (listed on right)		
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 		<p>Options for ThinkPad 365XD:</p> <ul style="list-style-type: none"> - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 810 MB EIDE HDD 13 ms 42H4012 - 1.08 GB EIDE HDD 13 ms 69H7956 - 1.4 GB EIDE HDD 3L 12.5 mm 82H8161 - 2.1 GB HDD 13 ms 82H8175 - Port Replicator and Charger 75H7529 - NiMH Battery Pack 38H6304 - 35 watt AC Adapter (2 pin barrel) 85G6719 - 35 watt AC Adapter (slim, 2 pin) 76H0139 - 8 x CD-ROM 83H6726 <p>Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation</p> <p>Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver</p>	
		<p>Easy-Setup is entered by holding F1 when turning on.</p> <p>810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4</p>	
		<p>FEATURES OF 365 MODELS</p> <p>Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>	

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(365XD) Compiled by Roger Dodson, IBM. March 1997

IBM ThinkPad 365XD (Fall 1996+ models) - withdrawn

IBM® ThinkPad®:	➤ 365XD			
	10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM			
Processor type	Pentium® 120/60 or 133/66 MHz / 64 bit transfer to memory			
Processor upgrade	None			
L2 cache	None (not upgradeable)			
Diskette drive	External 3.5" 1.44 MB (connects to back of system) / enclosed in a case with a cable / use simultaneously with CD-ROM			
External FDD port	External FDD port (works with standard external diskette; no kit required)			
CD-ROM (not remove)	5.25" CD-ROM / 4 x speed 5.25" CD-ROM / 6 x speed (all systems upgradeable to 8 x CD-ROM)			
CD-ROM features	Multi-session / XA / front loaded / ATAPI / not bootable / upgradeable			
Type - model (code)	2625-4E9 (Clark 4)	2625-GE9 (Clark 4.5)	2625-1E9 (Clark 4)	2625-FE9 (Clark 4.5)
Preload (see side)	Windows 95	Windows 95 OSR2	Windows 95	Windows 95 OSR2
Avail / withdrawn date	October 1996 / July 1997	Feb 1997 / July 1997	October 1996 / October 1997	February 1997 / October 1997
Pentium speed	120/60 MHz	120/60 MHz	133/66 MHz	133/66 MHz
Disk - size / ms	810 MB / 13 ms ○	1.08 GB / 13 ms ○	1.35 GB / 13 ms ○ / PIO Mode 4	
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk			
Display - size and type	10.4 inch TFT color		11.3 inch TFT color	
Display - technology	SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 sim col / 100 to 1 contrast ratio		SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 sim col / 100 to 1 cont ratio	
Display - technology			11.3 inch DSTN color SVGA / 640 x 480 or 800 x 600 Dual scan 256 sim colors / 30 to 1 contrast ratio	
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns			
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors			
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt			
Memory - std / max	8 MB / 40 MB			
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB			
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions)			
Keyboard slope	Yes (legs pop out)			
Pointing / palm rest	TrackPoint III™ / external keyboard support (w/ option cable or Port Replicator)			
Dimensions	11.7 x 8.3 x 1.9" (185 cubic inches)			
Weight	6.4 pounds (2.9 kg)	6.1 pounds (2.77 kg)	6.2 pounds (2.79 kg)	
Battery - type	NiMH / non-intelligent	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); CD-ROM is not removable		
Battery - life	2.0 hours			
Charge time - on / off	1.5 hrs / 1.2 hrs			
Architecture	ISA (audio, PCMCIA, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics)			
Docking Station	None			
Port replicator	Port Replicator and Charger (with built-in battery charger and palm rest)			
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III			
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)			
Other features	APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot			
Video in/out	None			
MPEG decoder	None			
Data/fax modem	None			
Audio support	16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 One internal speaker / .5 watt / dial volume control / internal microphone			
Audio in/out jacks	Input jack (stereo) / microphone jack / output jack (stereo) / no joystick port			
Infrared ports	Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps			
Security	Power-on pwd / Hard disk pwd / Supervisor pwd / Security keyhole (requires cable) / keyboard lock (requires cable)			
Preinstalled software	Microsoft Windows 95 wth applications (listed on right)			
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in			
<p>The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.</p> <p>The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.</p> <p>Port Replicator and Charger connectors:</p> <ul style="list-style-type: none"> - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector - Spare battery connector (to charge 2nd battery) 		<p>Options for ThinkPad 365XD:</p> <ul style="list-style-type: none"> - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 810 MB EIDE HDD 13 ms 42H4012 - 1.08 GB EIDE HDD 13 ms 69H7956 - 1.4 GB EIDE HDD 3L 12.5 mm 82H8161 - 2.1 GB HDD 13 ms 82H8175 - Port Replicator and Charger 75H7529 - NiMH Battery Pack 38H6304 - 35 watt AC Adapter (2 pin barrel) 85G6719 - 35 watt AC Adapter (slim, 2 pin) 76H0139 - 8 x CD-ROM 83H6726 - 2.1 GB HDD 13 ms 4000 rpm 82H8175 <p>Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation</p> <p>Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver</p>		
		<p>WINDOWS 95 PRELOAD MODELS 4E9 and 1E9</p> <ul style="list-style-type: none"> - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. Compuerv for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM <p>WINDOWS 95 PRELOAD MODELS GE9 and FE9</p> <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. Compuerv for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ 5. IntelliLink Connect 6. IBM Anti-Virus 7. IGN/Netscape Internet 8. IntelliQuest Registration Mailer 9. Ergonomics - Lotus SmartSuite 96 CD-ROM 		
		<p>Easy-Setup is entered by holding F1 when turning on.</p> <p>810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4</p> <p>FEATURES OF 365 MODELS</p> <p>Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
○ = Removable

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No warranties are expressed or implied in this summary
(365XD96) Compiled by Roger Dodson, IBM. October 1997

IBM ThinkPad 370C (non-US) - withdrawn

IBM® ThinkPad®:		≧ 370C TFT color		ThinkPad 370C is positioned between the ThinkPad 360 and ThinkPad 755 family	
Processor type		IntelDX4		Advantages over ThinkPad 360CE	
Processor speed		75/25 MHz / 3.3 volt		⊕ DX4 75/25 MHz (vs DX2 50/25)	
Memory cache		16 KB internal (no L2 cache)		⊕ 10.4" color TFT (vs 8.4" color TFT)	
Coprocessor socket		Integrated in DX4		⊕ Black Matrix TFT (vs not Black Matrix)	
Processor / L2 upgrade		None		⊕ 36 MB max mem (vs 20 MB max memory)	
Removable diskette		3.5" 1.44 MB ○ / supports internal 2.88 MB diskette			
Removable CD-ROM		None			
Price				ALL 370C MODELS	
Type - model		9545-QPC	9545-QPD	84G2152	Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory
Removable disk - size		340 MB □ ○	540 MB □ ○	84G6539	
Hard drive - speed		14 ms	14 ms	84G2153	
Available date		May 1995	May 1995	92G7232	
Withdrawn date		May 1996	May 1996	92G7233	
Display - type		VGA color / 640 x 480		92G7234	The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I and II. Diskette drive can be removed ① to reduce weight ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert 2.88 MB diskette ⑤ to add other third party options
Display - colors		256 simultaneous colors		92G7236	
Display - technology		Black Matrix TFT - active matrix		92G7237	
Display - diagonal size		10.4 inch / 100 to 1 contrast ratio / 180 degree tilt		92G7424	
Graphics - controller		WD90C24A Rev B with 1 MB DRAM			
Graphics - vendor		Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 75 Hz)			
Graph - arch/data path		VL-Bus local bus / 32 bit / Simultaneous LCD and CRT			
Memory - std / max		4 MB / 36 MB 70 ns / non-parity / 5 volt			
Mem - sockets empty		1 socket			
Mem - options available		2, 4, 8, 16 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter			
Keyboard / # of keys		Full size alp/num / 85 keys			
Fn key functions		8 (in any appl)			
Keyboard slope		Yes (legs pop out)			
Mouse/pointing		TrackPoint II™			
Ext keyboard support		Yes (with optional cable)			
Dimensions		11.7 x 8.3 x 2.0"			
Cubic inches		194 inches			
Color		Black			
Weight (with battery)		6.3 pounds			
Battery - type		Nickel hydride (NiMH) / intelligent			
Batt - life (per battery)		2.9 to 8 hours			
Charge time - on / off		2 hrs / 1.5 hr			
Architecture		AT bus (ISA)			
Docking Station		Dock I and II			
Port replicator		Port Replicator I and II			
PCMCIA™ 2.1 slots		2 Type I or 2 Type II or 1 Type III			
Serial / parallel ports		Yes (one 9 pin) 16550B / Yes (EPP)			
Other features		APM-aware BIOS / Selectable boot AC adapter, 35 watts, worldwide, 3 pin, not wallmount Audio beep only			
Audio support		Power-on password / Hard disk password / Supervisor Password / Hardware security loop (secures unit and prevents opening keyboard) / PCMCIA card lock / Optional Security Base			
Security					
Preinstalled software		IBM DOS 7.0, Windows™ 3.11, and all appls listed to right:			
Warranty		1 year - ThinkPad EasyServ only			
Warranty options		Onsite via special bid only			

<p>The ThinkPad 370 family has the same physical design as the ThinkPad 360, 750, and 755 family.</p> <p>PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:</p> <ol style="list-style-type: none"> automatic config of many PCMCIA cards; visual/audible confirmation of insertion/removal of cards; ability to automatically launch an appl (e.g. async emulation) when card inserted; status and info on PCMCIA cards installed. <p>Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.</p>		<p>Compatible in all 360 family, 370 family, 750 family, and 755 family:</p> <table border="0"> <tr><td>- Disks:</td><td>170 MB IDE</td><td>66G2847</td></tr> <tr><td></td><td>250 MB IDE</td><td>84G2391</td></tr> <tr><td></td><td>340 MB IDE</td><td>66G2849</td></tr> <tr><td></td><td>540 MB IDE</td><td>84G2150</td></tr> <tr><td></td><td>810 MB IDE</td><td>84G8250</td></tr> <tr><td></td><td>1.2 GB IDE</td><td>85G8562</td></tr> <tr><td>- Dock I (1 slot / 1 bay)</td><td></td><td>3545001</td></tr> <tr><td>- Dock II (2 slot / 2 bay)</td><td></td><td>3546001</td></tr> <tr><td>- Port Replicator I (w/ PCMCIA)</td><td></td><td>66G3510</td></tr> <tr><td>- Port Replicator II</td><td></td><td>66G3520</td></tr> <tr><td>- 1.44 MB diskette</td><td></td><td>std in newer</td></tr> <tr><td>- 2.88 MB diskette</td><td></td><td>66G0108</td></tr> </table> <p>Options for 370C:</p> <table border="0"> <tr><td>- TV Tuner</td><td>66G3689</td></tr> <tr><td>- CDPD Mobile module</td><td>71G2560</td></tr> <tr><td>- Car Battery Adapter</td><td>49G2167</td></tr> <tr><td>- FDD External Attachment Kit</td><td>66G3618</td></tr> </table> <p>IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity</p>		- Disks:	170 MB IDE	66G2847		250 MB IDE	84G2391		340 MB IDE	66G2849		540 MB IDE	84G2150		810 MB IDE	84G8250		1.2 GB IDE	85G8562	- Dock I (1 slot / 1 bay)		3545001	- Dock II (2 slot / 2 bay)		3546001	- Port Replicator I (w/ PCMCIA)		66G3510	- Port Replicator II		66G3520	- 1.44 MB diskette		std in newer	- 2.88 MB diskette		66G0108	- TV Tuner	66G3689	- CDPD Mobile module	71G2560	- Car Battery Adapter	49G2167	- FDD External Attachment Kit	66G3618	<p>FEATURES OF 370C FAMILY</p> <p>3 power saving modes: standby, suspend, and hibernation</p> <p>Personalized nameplate in molded indentation</p> <p>External VGA is ISO capable (75 Hz)</p> <p>Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB, 1.2 GB (all 2.5 inch)</p> <p>Battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>US EPA Energy Star compliant</p>	
- Disks:	170 MB IDE	66G2847																																															
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<p>ThinkPad 370C supported batteries:</p> <table border="0"> <tr><td>- 750 NiMH battery</td><td>66G2846</td></tr> <tr><td>- 750 Quick Charger</td><td>66G2843</td></tr> </table>		- 750 NiMH battery	66G2846	- 750 Quick Charger	66G2843	<p>HELPWARE</p> <p>International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee</p>																																											
- 750 NiMH battery	66G2846																																																
- 750 Quick Charger	66G2843																																																

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

□ = Upgradeable; ○ = Removable; ≧ = withdrawn from marketing

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(370) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 380 - withdrawn

IBM® ThinkPad®:	× 380 12.1" SVGA DSTN	
Processor type	Pentium® 150/60 MHz / 64 bit transfer to L2 cache / 64 bit transfer to memory	
Processor upgrade	None	
L2 cache	256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst	
Diskette drive	Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side	
External FDD port	None since diskette internal	
CD-ROM	None standard / 8 x CD-ROM internal option available (not customer install)	
Type - model (code)	2635-10U	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up
Preload (see side)	Windows 95 OSR2	
Avail / withdrawn date	May 1997 / January 1998	
Pentium speed	150/60 MHz	
Disk - size / ms	1.08 GB / 13 ms / PIO Mode 4	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer	
Display - size and type	12.1 inch DSTN color	
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan 65,536 simultaneous colors / 30 to 1 contrast	
Graphics - controller	NeoMagic™ MagicGraph128ZV™ (NM2093) / 128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw	
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors	
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt	
Memory - std / max	16 MB / 80 MB / non-parity / 3.3 volt / EDO	
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw	
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator	<p align="center">WINDOWS 95 PRELOAD</p> <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - SystemSoft CardWorks™ - Diskette Factory and Utilities 1. Triton CoSession™ Host 2. NetFinity for Windows 95 3. Puma TranXit™ 4. IntelliLink Connect 5. IBM Anti-Virus 6. IGN/Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. CompuServe WinCIM 10. Lotus Organizer 11. Ergonomics 12. Marketing Demo - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation) <p>Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation</p> <p>Easy-Setup is entered by holding F1 when turning on.</p> <p>1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.2 GB = Ultra DMA/33 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4</p> <p align="center">FEATURES OF 380 MODELS</p> <p>Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator	
Pointing / palm rest	TrackPoint III™ / no drag lock keys	
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)	
Weight	6.6 pounds (2.96 kg)	
Battery - type / life	NiMH / non-intelligent / 2.2 hrs	
Charge time - on / off	3.5 to 10 hrs / 2.8 hrs	
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCiset / Intel 82371MX PIIX / NS PC87338	
Docking Station	None	
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator	
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / Zoomed Video support in lower slot / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Univers AC adapter, barrel (35 watts) / Selectable boot	
Video in/out	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 20 voice MIDI FM Synthesis / Crystal Semiconductor™ CS4236 One internal speaker / .5 watt / dial volume control / internal mic / full duplex Input/microphone jack (stereo) / output jack (stereo) / no joystick port Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps	
Audio in/out jacks		
Infrared ports		
Security	Power-on password / Hard disk password / security keyhole	
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)	
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	
Service options	On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years	
The ThinkPad Enhanced Port Replicator	Options for ThinkPad 380:	
provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:	- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340	
- Dual IBM lock slots to secure the ThinkPad 380, PC Cards, and Port Replicator	- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341	
Port Replicator connectors:	- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342	
- USB	- 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268	
- Serial (9 pin); parallel (EPP, ECP, 25 pin)	- ThinkPad 560 Port Replicator 46H4209	
- External display (15 pin)	- ThinkPad 380/385 Port Replicator 84G1316	
- Keyboard	- ThinkPad Enhanced Port Replicator 11J8997	
- Mouse	- Li-Ion Battery Pack 73H9793	
- Audio in (3.5 mm)	- 35 watt AC Adapter (slim, barrel) 76H0139	
- Audio out (3.5 mm)	- 8 x CD-ROM 73H9795	
- Joystick/MIDI port (15 pin) - not on system	- 2.1 GB HDD 13 ms 73H9797	
- External diskette drive connt - not on system	- 3.2 GB Disk 13 ms 02K0487	
- Power connector (requires AC power; can not run on battery)	- 5.1 GB Disk 12 ms 02K0506	
Features of the PC Card slots:	- 33.6 Kbps Modem with XJACK 55H6759	
- Two Type III slots (side by side)	- 56K PC Card Modem Kit 04K0052	
- PC Card Standard 95 compliant		
- CardBus compliant (PCI 2.1 / 32 bit)		
- 8/16 bit PC Card support (no Zoomed Video)		
- Texas Instruments PCI1131 controller		
- Requires no PCI-to-PCI bridge		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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(380) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 380D - withdrawn

IBM® ThinkPad®:	× 380D 12.1" SVGA DSTN or TFT / 8 x CD-ROM																																
Processor type	Pentium® 150/60 MHz or 150/60 MHz with MMX™ technology/ 64 bit transfer to L2 cache / 64 bit transfer to memory None																																
Processor upgrade	None																																
L2 cache	256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst																																
Diskette drive	Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side																																
External FDD port	None since diskette internal																																
CD-ROM	5.25" CD-ROM / 8 x speed/ multi-session / XA / ATAPI / not bootable / not removable / on right side																																
Type - model (code)	2635-2AU	2635-3AU	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up																														
Preload (see side)	Windows 95 OSR2	Windows 95 OSR2																															
Avail / withdrawn date	May 1997 / January 1998	May 1997 / January 1998																															
Pentium speed	150/60 MHz	150/60 MHz with MMX technology																															
Disk - size / ms	1.35 GB / 13 ms / PIO Mode 4	2.1 GB / 13 ms / PIO Mode 4																															
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer																																
Display - size and type	12.1 inch DSTN color	12.1 inch TFT color																															
Display - technology	SVGA / 640 x 480 or 800 x 600	SVGA / 640 x 480 or 800 x 600																															
	Dual scan	Black Matrix TFT - active matrix																															
	65,536 sim colors / 30 to 1 contrast	65,536 simultaneous colors / 100 to 1 contrast ratio ratio																															
Graphics - controller	NeoMagic™ MagicGraph128ZV™ (NM2093) /128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw																																
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Pointing / palm rest	TrackPoint III™ / no drag lock keys																																
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)																																
Weight	7.1 pounds (3.2 kg)	6.9 pounds (3.1 kg)																															
Battery - type / life	NiMH / non-intelligent / 2.0 hrs		Li-Ion / non-intelligent / 2.6 hrs																														
Charge time - on / off	3.5 to 9 hrs / 2.5 to 3.5 hrs																																
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCiset / Intel 82371MX PIIX / NS PC87338																																
Docking Station	None																																
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Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																
Other features	APM-aware BIOS / Univers AC adapter, barrel (35 watts) / Selectable boot																																
Video in/out	None																																
Data/fax modem	None																																
Audio support	16 bit audio chip / 20 voice MIDI FM Synthesis / Crystal Semiconductor™ CS4236 One internal speaker / .5 watt / dial volume control / internal mic / full duplex Input/microphone jack (stereo) / output jack (stereo) / no joystick port Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps																																
Audio in/out jacks																																	
Infrared ports																																	
Security	Power-on password / Hard disk password / security keyhole																																
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)																																
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years																																
Service options																																	
The ThinkPad Enhanced Port Replicator provide cable management, additional I/O ports, and CardBus PC Card slots. Features include: - Dual IBM lock slots to secure the ThinkPad 380, PC Cards, and Port Replicator Port Replicator connectors: - USB - Serial (9 pin); parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive connt - not on system - Power connector (requires AC power; can not run on battery) Features of the PC Card slots: - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32 bit) - 8/16 bit PC Card support (no Zoomed Video) - Texas Instruments PCI1131 controller - Requires no PCI-to-PCI bridge		Options for ThinkPad 380: <table border="0"> <tr><td>- 8 MB SO DIMM 3.3v NP EDO 64 bit</td><td>92G7340</td></tr> <tr><td>- 16 MB SO DIMM 3.3v NP EDO 64 bit</td><td>92G7341</td></tr> <tr><td>- 32 MB SO DIMM 3.3v NP EDO 64 bit</td><td>92G7342</td></tr> <tr><td>- 64 MB SO DIMM 3.3v NP EDO 64 bit</td><td>76H0268</td></tr> <tr><td>- ThinkPad 560 Port Replicator</td><td>46H4209</td></tr> <tr><td>- ThinkPad 380/385 Port Replicator</td><td>84G1316</td></tr> <tr><td>- ThinkPad Enhanced Port Replicator</td><td>11J8997</td></tr> <tr><td>- Li-Ion Battery Pack</td><td>73H9793</td></tr> <tr><td>- 35 watt AC Adapter (barrel, slim)</td><td>76H0139</td></tr> <tr><td>- 8 x CD-ROM</td><td>73H9795</td></tr> <tr><td>- 2.1 GB HDD 13 ms</td><td>73H9797</td></tr> <tr><td>- 3.2 GB Disk 13 ms</td><td>02K0487</td></tr> <tr><td>- 5.1 GB Disk 12 ms</td><td>02K0506</td></tr> <tr><td>- 33.6 Kbps Modem with XJACK</td><td>55H6759</td></tr> <tr><td>- 56K PC Card Modem Kit</td><td>04K0052</td></tr> </table>		- 8 MB SO DIMM 3.3v NP EDO 64 bit	92G7340	- 16 MB SO DIMM 3.3v NP EDO 64 bit	92G7341	- 32 MB SO DIMM 3.3v NP EDO 64 bit	92G7342	- 64 MB SO DIMM 3.3v NP EDO 64 bit	76H0268	- ThinkPad 560 Port Replicator	46H4209	- ThinkPad 380/385 Port Replicator	84G1316	- ThinkPad Enhanced Port Replicator	11J8997	- Li-Ion Battery Pack	73H9793	- 35 watt AC Adapter (barrel, slim)	76H0139	- 8 x CD-ROM	73H9795	- 2.1 GB HDD 13 ms	73H9797	- 3.2 GB Disk 13 ms	02K0487	- 5.1 GB Disk 12 ms	02K0506	- 33.6 Kbps Modem with XJACK	55H6759	- 56K PC Card Modem Kit	04K0052
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- 33.6 Kbps Modem with XJACK	55H6759																																
- 56K PC Card Modem Kit	04K0052																																
WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - SystemSoft CardWorks™ - Diskette Factory and Utilities 1. Triton CoSession™ Host 2. NetFinity for Windows 95 3. Puma TranXit™ 4. IntelliLink Connect 5. IBM Anti-Virus 6. IGN/Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. CompuServe WinCIM 10. Lotus Organizer 11. Ergonomics 12. Marketing Demo - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)																																	
Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation																																	
Easy-Setup is entered by holding F1 when turning on. 1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.2 GB = Ultra DMA/33 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4																																	
FEATURES OF 380 MODELS Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																																	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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 (380D) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 385D (Retail models) - withdrawn

IBM® ThinkPad®:	× 385D 12.1" SVGA DSTN or TFT / 8 x CD-ROM		
Processor type	Pentium® 150/60 MHz or 150/60 MHz with MMX™ technology/ 64 bit transfer to L2 cache / 64 bit transfer to memory		
Processor upgrade	None		
L2 cache	256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst		
Diskette drive	Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side		
External FDD port	None since diskette internal		
CD-ROM	5.25" CD-ROM / 8 x speed/ multi-session / XA / ATAPI / not bootable / not removable / on right side		
Type - model	2635-2EU	2635-3EU	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up
Preload (see side)	Windows 95 OSR2	Windows 95 OSR2	
Avail / withdrawn date	May 1997 / January 1998	May 1997 / January 1998	
Pentium speed	150/60 MHz	150/60 MHz with MMX technology	
Disk - size / ms	1.35 GB / 13 ms / PIO Mode 4	2.1 GB / 13 ms / PIO Mode 4	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer		
Display - size and type	12.1 inch DSTN color	12.1 inch TFT color	
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan 65,536 sim colors / 30 to 1 contrast	SVGA / 640 x 480 or 800 x 600 Black Matrix TFT - active matrix 65,536 simultaneous colors / 100 to 1 contrast ratio	
Graphics - controller	NeoMagic™ MagicGraph128ZV™ (NM2093) / 128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw		
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors		
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt		
Memory - std / max	16 MB / 80 MB / non-parity / 3.3 volt / EDO		
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw		
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator		
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator		
Pointing / palm rest	TrackPoint III™ / no drag lock keys		
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)		
Weight	7.1 pounds (3.2 kg)	6.9 pounds (3.1 kg)	
Battery - type / life	NiMH / non-intelligent / 2.0 hrs		
Charge time - on / off	3.5 to 9 hrs / 2.5 to 3.5 hrs		
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCiset / Intel 82371MX PIIX / NS PC87338		
Docking Station	None		
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator ③ ThinkPad 380/385 Port Replicator		
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / Zoomed Video support in lower slot / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	APM-aware BIOS / Universal AC adapter; barrel (35 watts) / Selectable boot		
Video in/out	None		
MPEG decoder	None		
Data/fax modem	None		
Audio support	16 bit audio chip / 20 voice MIDI FM Synthesis / Crystal Semiconductor™ CS4236 One internal speaker / .5 watt / dial volume control / internal mic / full duplex Input/microphone jack (stereo) / output jack (stereo) / no joystick port		
Audio in/out jacks	Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps		
Infrared ports			
Security	Power-on password / Hard disk password / security keyhole		
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)		
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
The ThinkPad Enhanced Port Replicator	Options for ThinkPad 385D:		
provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:			
- Dual IBM lock slots to secure the ThinkPad 385D, PC Cards, and Port Replicator	- 8 MB SO DIMM 3.3v NP EDO 64 bit	92G7340	
	- 16 MB SO DIMM 3.3v NP EDO 64 bit	92G7341	
	- 32 MB SO DIMM 3.3v NP EDO 64 bit	92G7342	
	- 64 MB SO DIMM 3.3v NP EDO 64 bit	76H0268	
Port Replicator connectors:	- ThinkPad 560 Port Replicator	46H4209	
- USB	- ThinkPad 380/385 Port Replicator	84G1316	
- Serial (9 pin); parallel (EPP, ECP, 25 pin)	- ThinkPad Enhanced Port Replicator	11J8997	
- External display (15 pin)	- Li-Ion Battery Pack	73H9793	
- Keyboard	- 35 watt AC Adapter (slim, barrel)	76H0139	
- Mouse	- 8 x CD-ROM	73H9795	
- Audio in (3.5 mm)	- 2.1 GB HDD 13 ms	73H9797	
- Audio out (3.5 mm)	- 3.2 GB Disk 13 ms	02K0487	
- Joystick/MIDI port (15 pin) - not on system	- 5.1 GB Disk 12 ms	02K0506	
- External diskette drive conntr - not on system	- 33.6 Kbps Modem with XJACK	55H6759	
- Power connector (requires AC power; can not run on battery)	- 56K PC Card Modem Kit	04K0052	
Features of the PC Card slots:	Easy-Setup is entered by holding F1 when turning on.		
- Two Type III slots (side by side)	Fn + F2 = Battery guage		
- PC Card Standard 95 compliant	Fn + F3 = Standby		
- CardBus compliant (PCI 2.1 / 32 bit)	Fn + F4 = Suspend		
- 8/16 bit PC Card support (no Zoomed Video)	Fn + F7 = LCD/CRT/Simultaneous		
- Texas Instruments PCI1131 controller	Fn + F11 = Power mgmt		
- Requires no PCI-to-PCI bridge	Fn + F12 = Hibernation		

- WINDOWS 95 PRELOAD**
- Microsoft Windows 95 OSR2 (FAT16)
 - Lotus SmartSuite
 - WordPro Word Processor
 - 1-2-3 Spreadsheet
 - Freelance Graphics
 - Approach Database
 - Organizer Scheduler
 - IBM Global Network (IGN)
 - NetScape Navigator Browser
 - AOL, AT&T WorldNet, CompuServe
 - Media Player
 - Active Movie (MPEG-1, AVI)
 - Video for Windows
 - CD Audio Player
 - MIDI Sequencer
 - Quicken SE
 - Expensable
 - Wall Street Money SE
 - National Golf Course Directory
 - Rand McNally's Trip Maker
 - IBM Anti-Virus
 - IBM Online Housecall
 - IBM Update Connector
 - IntelliLink Connect
 - TranXit
 - Online User's Guide
 - SystemSoft Card Works
 - Password Protected Marketing Demo
 - CD-ROMs included in the Shipping Carton
 - Preload Recovery CD w/boot diskette
 - Windows 95 CD (no installation)
 - Picture Perfect Golf

- FEATURES OF 385D MODELS**
- Quick Setup Guide
 - System Status Indicators
 - Plug and Play 1.0a
 - Standby, suspend, safe suspend (RediSafe), and hibernation modes
 - US EPA Energy Star compliant
 - Personalization screen at startup
 - International Warranty Service**
 - 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support**
 - IBM and dealer warranty/service**
 - Online Housecall (remote diagnostics)**

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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IBM ThinkPad 560 - withdrawn

IBM® ThinkPad®:	≧ 560	≧ 560	ThinkPad 560 key features:				
	11.3" Dual Scan SVGA color	12.1" TFT SVGA color	<ul style="list-style-type: none"> ➤ Next generation ultraportable notebook ➤ Slim: 1.2 inches ➤ Lightweight: 4.1 pounds ➤ Full size keyboard ➤ Pentium 100/66 to 133/66 MHz ➤ 11.3" Dual Scan SVGA or 12.1" TFT SVGA ➤ PCI bus ➤ 8 MB EDO memory 				
Processor type	Pentium® 100/66, 120/60, 133/66 MHz / 64 bit to transfers to memory						
Processor upgrade	None						
L2 cache	None						
Diskette drive	External 3.5" 1.44 MB (connects to left side) / includes case with a cable						
External FDD port	External FDD port (works with standard external diskette; no kit reqd)						
CD-ROM drive	None (CD-ROM drive as OEM option via PCMCIA or parallel port)						
Price							
Type - model	2640-50A	Pallet of 24 2640-50C	2640-E0A	Pallet of 24 2640-E0C	2640-F0E	2640-F0D	Pallet of 24 2640-F0G
Preload (see side)	Windows 95	Blank	Windows 95	Blank	Windows 95	OS/2 Warp Connect	Blank
Avail / withdrawn date	May 96 / June 97 and Apr 97		May 1996 / January 1997		Jul 96 / Apr 97	July 1996 / January 1997	
Pentium speed	100/66 MHz		120/60 MHz		133/66 MHz		
Disk - size / ms	810 MB / 13 ms		810 MB / 13 ms		1.08 GB / 13 ms		
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk						
Display - size and type	11.3" Dual Scan SVGA color			12.1" TFT SVGA color			
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio			12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio			
Graphics - controller	Trident™ CYBER9382 / 64 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns						
Graph - arch/data path	PCI 2.1 / 32 bit / 32 bit path to memory / DCI, DirectDraw, EndIVE support						
Graphics - features	Simultaneous LCD and CRT / 135 degree tilt						
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors						
Memory - std / max	8 MB / 40 MB (72 MB with ThinkPad Proven option)						
Memory - features	70 ns / non-parity / 3.3 volt / EDO						
Memory - upgrade	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, or 32 MB						
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions)						
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / opt P Replicator adds slope						
Pointing device	TrackPoint III™ / no drag lock keys						
Palm rest	Integrated palm rest / external keyboard support (with optional cable 54G0441)						
Dimensions	11.7 x 8.7 x 1.22" (124 cubic inches)						
Weight	4.12 pounds (1.87 kg)			4.10 pounds (1.86 kg)			
Battery - type	Lithium Ion / intelligent						
Battery - life (1 batt)	3 hours						
Charge time - on / off	2.5 to 3.5 hrs / 1.5 hrs						
Architecture	ISA (audio, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA) / Mobile Triton 82430MX						
Docking Station	None						
Port replicator	ThinkPad 560 Port Replicator						
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III						
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)						
Other features	Universal AC Adapter 2 prong (35 watts) with barrel connector / APM-aware BIOS / Selectable boot IBM BIOS						
Video in/out	None						
MPEG decoder	None						
DSP function	None						
Data/fax modem	None						
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / rotary volume control / internal microphone						
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm) / not full duplex speaker/mic						
Telephone	None						
Infrared ports	Infrared port (left side) / IrDA 1.0 compatible / up to 115 Kbps						
Security	Power-on password / Locking device keyhole on back (Kensington™ cable lock) / Personalization screen at startup						
Preinstalled software	Windows 95 with applications (listed on right)						
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in						
Easy-Setup is entered by holding F1 when turning on.				Compatible in ThinkPad 560 family:			
810 MB = DMA Mode 2 or PIO Mode 4				- Disks: (365/760 IDE disks not supported)			
1.08 GB = DMA Mode 2 or PIO Mode 4				- 1.08 GB HDD II EIDE 13 ms 46H4208			
				- 2.1 GB HDD 14 ms 45H8783			
				- ThinkPad 560 Port Replicator 46H4209			
				- ThinkPad 560 Li-Ion Battery Pack 46H4206			
				- 35 watt AC Adapter - barrel/3 prong 85G6719			
				- 35 watt AC Adapter (slim, 2 pin) 76H0139			
				- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340			
				- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341			
				- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342			
				Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).			
				System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.			
Hardware acceleration of 'Video for Windows™' is integrated into the 9382 graphics controller; interpolation in X and Y axis; color space conversion when DCI enabled							
	WINDOWS 95 PRELOAD						
	<ul style="list-style-type: none"> - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. Lotus Organizer 3. IntelliLink Connect 4. IBM Internet Connection Services with Netscape Navigator web browser 5. Puma TranXit™ 6. CompuServ for Windows 7. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM 						
	OS/2 WARP CONNECT PRELOAD						
	<ul style="list-style-type: none"> - IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Lotus Organizer 2. Puma TranXit™ 3. IntelliLink Connect 4. NetFinity for OS/2 5. Triton CoSession™ Host; - Lotus SmartSuite 4.0 (entitled to SSuite 96) 						
	BLANK PRELOAD						
	- License for SmartSuite						
	The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope.						
	FEATURES OF 560 MODELS						
	Quick Setup Guide						
	Plug and Play 1.0a						
	Standby, suspend, safe suspend, and hibernation modes						
	US EPA Energy Star compliant						
	Personalized nameplate indentation						
	Personalization screen at startup						
	International Warranty Service						
	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support						
	IBM and dealer warranty/service						
	Online Housecall (remote diagnostics)						

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ≧ = Withdrawn from marketing

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 No warranties are expressed or implied in this summary
 (560) Compiled by Roger Dodson, IBM. June 1997

IBM ThinkPad 560 (1997 models) - withdrawn

IBM® ThinkPad®:	≧ 560	≧ 560	ThinkPad 560 key features: ⇨ Next generation ultraportable notebook ⇨ Slim: 1.2 inches ⇨ Lightweight: 4.1 pounds ⇨ Full size keyboard ⇨ Pentium 133/66 MHz ⇨ 11.3" Dual Scan SVGA or 12.1" TFT SVGA ⇨ PCI bus ⇨ 8 MB EDO memory
Processor type	Pentium® 133/66 MHz / 64 bit to transfers to memory	11.3" Dual Scan SVGA color	
Processor upgrade	None		
L2 cache	None		
Diskette drive	External 3.5" 1.44 MB (connects to left side) / includes case with a cable		
External FDD port	External FDD port (works with standard external diskette; no kit reqd)		
CD-ROM drive	None (CD-ROM drive as OEM option via PCMCIA or parallel port)		
Code name	Kinzie 3		
Price			
Type - model	2640-10U	2640-20U	
Preload (see side)	Windows 95 OSR2		
Avail / withdrawn date	February 1997 / January 1998		
Disk - size / ms	2.1 GB / 14 ms / DMA Mode 2 or PIO Mode 4		
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk		
Display - size and type	11.3" Dual Scan SVGA color	12.1" TFT SVGA color	
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio	12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller	Trident™ CYBER9382 / 64 bit SVGA accelerator / 1 MB fast page DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / 32 bit / 32 bit path to memory / DCI, DirectDraw, EnDIVE support		
Graphics - features	Simultaneous LCD and CRT / 135 degree tilt		
Graphics - external	External SVGA to 1024 x 768 with 256 colors		
Memory - std / max	8 MB / 40 MB (72 MB w/ ThinkPad Proven option)		
Memory - features	70 ns / non-parity / 3.3 volt / EDO		
Memory - upgrade	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, or 32 MB		
Keyboard / # of keys	Full size alp/num / 85 keys (6 Fn key functions)		
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / opt P Replicator adds slope		
Pointing device	TrackPoint III™ / no drag lock keys		
Palm rest	Integrated palm rest / external keyboard support (with optional cable 54G0441)		
Dimensions	11.7 x 8.7 x 1.22" (124 cubic inches)		
Weight	4.12 pounds (1.87 kg)	4.10 pounds (1.86 kg)	
Battery - type	Lithium Ion / intelligent		
Battery - life (1 batt)	3 hours		
Charge time - on / off	2.5 to 3.5 hrs / 1.5 hrs		
Architecture	ISA (audio, diskette, serial, parallel, infrared) PCI 2.1 / 32 bit / 33 MHz (EIDE, graphics, PCMCIA) / Mobile Triton 82430MX		
Docking Station	None		
Port replicator	ThinkPad 560 Port Replicator		
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	Universal AC Adapter 2 prong (35 watts) with barrel connector (slim) / APM-aware BIOS / Selectable boot IBM BIOS		
Video in/out	None		
MPEG decoder	None		
DSP function	None		
Data/fax modem	None		
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / ESS1688 Internal stereo speakers / .5 watt / rotary volume control / internal microphone		
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm)		
Telephone	None		
Infrared ports	Infrared port (left side) / IrDA 1.0 compatible / up to 115 Kbps		
Security	Power-on password / hard disk password / Locking device keyhole on back (Kensington™ cable lock) / Personalization screen at startup		
Preinstalled software	Windows 95 with applications (listed on right)		
Warranty	1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
Easy-Setup is entered by holding F1 when turning on.			
Fn + F2 = Battery gauge			
Fn + F3 = Standby			
Fn + F4 = Suspend			
Fn + F7 = LCD/CRT/Simultaneous			
Fn + F11 = Power mgmt			
Fn + F12 = Hibernation			
Hardware acceleration of 'Video for Windows™' is integrated into the 9382 graphics controller; interpolation in X and Y axis; color space conversion when DCI enabled			
System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.			
	OPTIONS		
	- Disks: (365/760 IDE disks not supported)		
	1.08 GB HDD II EIDE 13 ms 46H4208		
	2.1 GB HDD 14 ms 45H8783		
	4.0 GB HDD 13 ms 02K0501		
	- ThinkPad 560 Port Replicator 46H4209		
	- ThinkPad 560 Li-Ion Battery Pack 46H4206		
	- 35 watt AC Adapter - barrel/3 prong 85G6719		
	- 35 watt AC Adapter (slim, 2 pin) 76H0139		
	- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340		
	- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341		
	- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342		
	- 8-20 x Portable CD-ROM 1969010		
	- 8-20 x Portable Stereo CD-ROM 1969011		
	- Other options from ThinkPad Proven partners		
	Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).		
	FEATURES OF 560 MODELS		
	Quick Setup Guide		
	Plug and Play 1.0a		
	Standby, suspend, safe suspend, and hibernation modes		
	US EPA Energy Star compliant		
	Personalized nameplate indentation		
	Personalization screen at startup		
	International Warranty Service		
	IBM System Care Program		
	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support		
	IBM and dealer warranty/service		
	Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

All trademarks are the property of their respective owners
 No warranties are expressed or implied in this summary
 (56097) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 560E - withdrawn

IBM® ThinkPad®:	➤ 560E	➤ 560E
	11.3" Dual Scan SVGA color	12.1" TFT SVGA color
Processor type	Pentium® 150/60 MHz or 166/66 MHz / both with MMX technology / 64 bit transfers to L2 cache and memory	
Processor upgrade	None	
L2 cache	256 KB / write-back / direct mapped / 8 ns / synchronous pipelined burst	
Diskette drive	External 3.5" 1.44 MB (connects to left side) / includes case with a cable	
External FDD port	External FDD port (works with standard external diskette; no kit reqd)	
CD-ROM drive	None (CD-ROM drive as OEM option via PCMCIA or parallel port)	
Price		
Type - model (code)	2640-30U	2640-40U s
Processor	Pentium 150/60 with MMX	Pentium 166/66 MHz with MMX technology
Preload (see side)	Windows 95 OSR2	
Avail / withdrawn date	June 1997 / January 1998	
Disk - size / ms	2.1 GB / 14 ms / DMA Mode 2 or PIO Mode 4 / SMART	
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk	
Display - size and type	11.3" Dual Scan SVGA color 12.1" TFT SVGA color	
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 65,536 sim colors / Dual Scan / 30 to 1 contrast ratio	12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio
Graphics - controller	Trident™ CYBER9382 / 64 bit SVGA accelerator / 2 MB fast page DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / 32 bit / 32 bit path to memory / DCI, DirectDraw, EnDIVE support	
Graphics - features	Simultaneous LCD and CRT / 135 degree tilt	
Graphics - external	External SVGA to 1024 x 768 with 256 colors	
Memory - std / max	16 MB / 80 MB	
Memory - features	70 ns / non-parity / 3.3 volt / EDO	
Memory - upgrade	1 socket for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB	
Keyboard / # of keys	Full size alp/num / 85 keys (6 Fn key functions)	
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / opt P Replicator adds slope	
Pointing device	TrackPoint III™ / no drag lock keys	
Palm rest	Integrated palm rest / external keyboard support (with optional cable 54G0441)	
Dimensions	11.7" x 8.7" x 1.22" (124 cubic inches)	
Weight	4.1 pounds (1.9 kg) 4.1 pounds (1.9 kg)	
Battery - type	Lithium Ion / intelligent	
Battery - life (1 batt)	3 hours	
Charge time - on / off	2.5 to 3.5 hrs / 1.5 hrs	
Architecture	ISA (audio, diskette, serial, parallel, infrared) / NS PC87334 (FDC, IR, I/O) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA) / Mobile Triton 82430MX	
Docking Station	None	
Port replicator	ThinkPad 560 Port Replicator	
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III / Cirrus Logic® PD6729	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	Universal AC Adapter 2 prong (35 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS	
Video in/out	None	
MPEG decoder	None	
DSP function	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / ESS1688 Internal stereo speakers / .5 watt / rotary volume control / internal microphone	
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm) / not full duplex speakers/mic	
Telephone	None	
Infrared ports	Infrared port (left side) / IrDA 1.1 compatible / up to 4 Mbps	
Security	Power-on password / hard disk password / Locking device keyhole on back (Kensington™ cable lock) / Personalization screen at startup	
Preinstalled software	Windows 95 with applications (listed on right)	
Warranty	1 year - ThinkPad EasyServ (depot repair service) or carry-in	
Service options	On-Site, M-F, 8-5, next bus day (71 cities) / Warranty extension to 3 or 5 years	
Easy-Setup is entered by holding F1 when turning on.		
Fn + F2 = Battery gauge		
Fn + F3 = Standby		
Fn + F4 = Suspend		
Fn + F7 = LCD/CRT/Simultaneous		
Fn + F11 = Power mgmt		
Fn + F12 = Hibernation		
Hardware acceleration of Video for Windows™ is integrated into the 9382 graphics controller; interpolation in X and Y axis; color space conversion when DCI enabled		
System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.		
	OPTIONS	
	- Disks: (365/760 IDE disks not supported)	
	2.1 GB HDD 14 ms	45H8783
	4.0 GB HDD 13 ms	02K0501
	- ThinkPad 560 Port Replicator	46H4209
	- ThinkPad 560 Li-Ion Battery Pack	46H4206
	- 35 watt AC Adapter - barrel/3 prong	85G6719
	- 35 watt AC Adapter (slim, 2 pin)	76H0139
	- 8 MB SO DIMM 3.3v NP EDO 64 bit	92G7340
	- 16 MB SO DIMM 3.3v NP EDO 64 bit	92G7341
	- 32 MB SO DIMM 3.3v NP EDO 64 bit	92G7342
	- 64 MB SO DIMM 3.3v NP EDO 64 bit	76H0268
	- External 4 x PCMCIA CD-ROM	1969008
	- Ext 4 x PCMCIA Stereo CD-ROM	1969009
	- 8-20 x Portable CD-ROM	1969010
	- 8-20 x Portable Stereo CD-ROM	1969011
	- PCMCIA 33.6 Kbps modem	25H6420
	- PCMCIA 33.6 modem w/ XJACK	55H6759
	- 56K PC Card Modem Kit	04K0052
	- Other options from ThinkPad Proven partners	
	WINDOWS 95 PRELOAD	
	- Microsoft Windows 95 OSR2 (FAT16)	
	- Online User's Guide	
	- ThinkPad Features Program	
	- PC Card Director 4.0	
	- Diskette Factory	
	1. Triton CoSession™ Host	
	2. CompuServ for Windows	
	3. NetFinity for Windows 95	
	4. Puma TranXit™	
	5. IntelliLink Connect	
	6. IBM Anti-Virus	
	7. IBM Global Network with Netscape web browser	
	8. Registration Mailer	
	9. Lotus Organizer	
	10. Lotus SmartSuite 96	
	- Lotus SmartSuite 96 CD-ROM	
	- Recovery CD-ROM with boot diskette	
	- Windows 95 CD-ROM (no installation)	
	Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).	
	The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:	
	- Release button	
	- Security keyhole	
	- Mouse	
	- Keyboard	
	- External monitor	
	- Parallel	
	- Serial (9 pin)	
	- External diskette drive	
	- Power jack	
	FEATURES OF 560E MODELS	
	Quick Setup Guide	
	Plug and Play 1.0a	
	Standby, suspend, safe suspend, and hibernation modes	
	US EPA Energy Star compliant	
	Personalized nameplate indentation	
	Personalization screen at startup	
	International Warranty Service	
	IBM SystemXtra Program	
	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support	
	IBM and dealer warranty/service	
	Online Housecall (remote diagnostics)	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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(560E) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 560X

IBM® ThinkPad®:	560X 12.1" TFT SVGA color	
Processor type	Pentium® 233/66 MHz with MMX technology / 64 bit transfers to L2 and memory	New features of 560X (compared to 560E): <ul style="list-style-type: none"> ⇨ 233 MHz Pentium (vs 150 or 166 MHz) ⇨ 32 MB memory standard (vs 16 MB) ⇨ 96 MB maximum memory (vs 80 MB) ⇨ 4 GB disk (vs 2.1 GB) ⇨ CardBus and Zoomed Video PC Cards ⇨ One USB port (vs none) ⇨ Supports Enhanced Port Replicator ⇨ 430TX (vs 430MX) ⇨ MagicGraph128XD (vs CYBER9382) ⇨ 256K simultaneous colors (vs 64K) ⇨ 56 watt AC Adapter (vs 35 watt) ⇨ ConfigSafe and LANDesk preloaded
Processor upgrade	None	
L2 cache	256 KB / write-back / direct mapped / 8 ns / synchronous pipelined burst	
Diskette drive	External 3.5" 1.44 MB (connects to left side) / includes case with a cable	
External FDD port	External FDD port (works with standard external diskette; no kit reqd)	
CD-ROM drive	None (CD-ROM drive as option via PCMCIA or parallel port)	
Price		
Type - model (code)	2640-70U (Mako-X)	
Preload (see side)	Windows 95 OSR2	
Available date	November 1997	
Disk - size / ms	4.0 GB / 13 ms / Ultra DMA/33 or PIO Mode 4 / SMART	
Disk controller	EIDE / busmaster / PCI 2.1 / supports one internal disk	
Display - size and type	12.1" TFT SVGA color / 640 x 480 or 800 x 600 / 262,144 simultaneous colors	WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - SystemSoft CardWorks™ - Diskette Factory and Utilities 1. Puma TranXit™ 2. IBM Anti-Virus 3. IBM Global Network with Netscape web browser 4. Intelliquest Registration Mailer 5. Artisoft ConfigSafe 6. Intel® LANDesk® Client Manager 7. PointCast (with ThinkPad channel) 8. Ergonomics 9. Lotus SmartSuite 97 10. NetFinity for Windows 95 (license only) - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Display - technology	Active Matrix TFT / 100 to 1 contrast ratio	
Graphics - controller	NeoMagic™ MagicGraph128XD™ (NM2160) / 128 bit SVGA accelerator	
Graph - arch/data path	2 MB iDRAM™ (embedded) / PCI 2.1 / Zoomed Video support	
Graphics - features	3D hardware acceleration / interpolation in X and Y axis / color space convers	
Graphics - features	Simultaneous LCD and CRT / 135 degree tilt	
Graphics - external	External SVGA to 1024 x 768 with 65,536 colors (or 800 x 600 with 16.7 mil)	
Memory - std / max	32 MB std / 96 MB max	
Memory - features	60 ns / non-parity / 3.3 volt / EDO	
Memory - upgrade	1 socket for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB	
Keyboard / # of keys	Full size alp/num / 85 keys (6 Fn key functions)	
Keyboard slope	Large palm rest / keyboard remains flat (no sloop) / opt P Replicator adds slope	
Pointing device	TrackPoint III™ / no drag lock keys	
Palm rest	Integrated palm rest / external keyboard support (with optional cable 54G0441)	
Dimensions	11.7" x 8.7" x 1.22" (124 cubic inches); 297 mm x 222 mm x 31 mm	
Weight	4.1 pounds (1.88 kg)	
Battery - type	Lithium Ion / intelligent	
Battery - life (1 batt)	3.5 hours	
Charge time - on / off	2.5 to 3.5 hrs / 1.5 hrs	
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, USB) / ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel 430TX PCiset / PIIX4 (EIDE, USB, PCI to ISA bridge) / TI1250A	
Docking Station	None	
Port replicator	ThinkPad 560 Port Replicator / ThinkPad Enhanced Port Replicator	
PC Card Std slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / Zoomed Video PCMCIA 2.1 compatible / Texas Instruments® T11250A controller	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
USB port	One USB port	
Other features	Universal AC Adapter 2 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS	
Video in/out	None	
MPEG decoder	None (software support for MPEG-1 in Windows 95)	
Data/fax modem	None	
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / CS4237B Internal stereo speakers / .5 watt / rotary volume control / internal microphone	
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm) / not full duplex speakers/mic	
Telephone	None	
Infrared ports	Infrared port (left side) / IrDA 1.1 compatible / up to 4 Mbps	
Security	Power-on password / hard disk password / security keyhole on back / personalization screen at startup	
Preinstalled software	Windows 95 with applications (listed on right)	
Warranty	1 year - ThinkPad EasyServ (depot repair service) or carry-in	
Service options	On-Site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years	
ThinkPad Enhanced Port Replicator provides cable management, additional I/O ports, and CardBus PC Card slots. Features include: <ul style="list-style-type: none"> - Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator 		
Connectors: <ul style="list-style-type: none"> - USB - Serial (RS-232, 9 pin), Parallel (25 pin) - External display, Keyboard, Mouse - Audio in and out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive conntr - not on system - Power connector 		
Features of the PC Card slots: <ul style="list-style-type: none"> - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32 bit) - 8/16 bit PC Card support (no Zoomed Video) 		
OPTIONS		
<ul style="list-style-type: none"> - 2.1 GB HDD 14 ms 45H8783 - 4.0 GB HDD 13 ms 02K0501 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad Enhanced Port Replicator 11J8997 - ThinkPad 560 Li-Ion Battery Pack 46H4206 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - 8-20 x Portable CD-ROM 1969010 - 8-20 x Portable Stereo CD-ROM 1969011 - PCMCIA 33.6 Kbps modem 25H6420 - PCMCIA 33.6 modem w/ XJACK 55H6759 - 56K PC Card Modem Kit 04K0052 - Other options from ThinkPad Proven partners 		
		DISK IS NOT REMOVABLE (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable). Easy-Setup is entered by holding F1 when turning on. System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
		The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: <ul style="list-style-type: none"> - Release button - Security keyhole - Mouse - Keyboard - External monitor - Parallel - Serial (9 pin) - External diskette drive - Power jack
		FEATURES OF 560 MODELS
		Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate indentation Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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 (560X) Compiled by Roger Dodson, IBM. November 1997

IBM ThinkPad 701 - withdrawn

IBM® ThinkPad®:	≧ 701CS					≧ 701C					ThinkPad 701CS / 701C strengths:
	dual scan color					TFT color					
Processor 3.3 volt	80486DX2					IntelDX4					<ul style="list-style-type: none"> ☛ Full sized, folding TrackWrite keyboard ☛ Full sized 10.4" color dual scan or TFT display ☛ Subnotebook size and weight (4.5 pounds) ☛ Audio, 14.4/14.4 data/fax modem, telephony ☛ Infrared communication ☛ TrackPoint III and removeable disk
Processor speed	50/25 MHz					75/25 MHz					
Coprocessor socket	N/A (math coprocessor std in DX2/DX4)					The 701 has a External Bus Connector to attach either standard MultiPort II or (with optional Adapter Kit) Dock II					
Memory cache	8 KB in DX2; 16 KB in DX4 / no L2 cache										
Diskette	External 3.5" 1.44 MB / hot-pluggable										
Removeable CD-ROM	Not supported										
Price (retail USD)	\$2,499	2,749	1,499*	1,649*	1,799*	\$2,999	3,299	1,999*	2,149*	2,299*	Integrated chipsets provide:
Type - model all 2630	US2	US5	2SU	5SU	7SU	UT2	UT5	2TU	5TU	7TU	
Removeable disk - size	360 MB	540	360	540	720	360	540	360	540	720	<ul style="list-style-type: none"> ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) ② Fax modem function - Class 1 fax send/receive (14.4 Kbps) ③ Audio function - 16 bit audio / 44.1 kHz sampling rate - Stereo waveform record and playback - 18 voice MIDI wave table synthesizer - SoundBlaster™ support - Text to speech (via Monologue) ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone
Hard disk - spd ms	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	
Available date	Mar 95	Mar 95	Mar95	Mar95	Sep95	Mar95	Mar95	Mar95	Mar95	Sep95	
Display - type	VGA color / 640 x 480					VGA color / 640 x 480					
Display - colors	65,536 simultaneous colors					65,536 simultaneous colors					
Display - technology	Dual scan					TFT - active matrix					
Display - diagonal size	10.4 inch / 20 to 1 contrast ratio					10.4 inch / 100 to 1 contrast ratio					
Graphics - controller	CT-65545 with 1 MB DRAM					Chips & Technologies / External SVGA to 1024 x 768 256 colors (up to 70 Hz)					
Graphics - vendor	Chips & Technologies / External SVGA to 1024 x 768 256 colors (up to 70 Hz)										
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt										
Memory - std / max	4 / 36 MB		8 / 40 MB			4 / 36 MB		8 / 40 MB			
Memory - type	70 ns / non-parity / 3.3 volt					The two wings (ends) of the TrackWrite™ keyboard slide into position automatically every time the lid is opened or closed					
Mem - sockets empty	1 socket										
Mem-options available	4, 8, 16, 32 MB SO-DIMMs										
Keyboard / # of keys	Full size alp/num / 85 key (15 Fn key functions)					Fn key functions:					
Keyboard slope	Yes (use MultiPort II stand that flips out)					- Configuration Utility					
Mouse/pointing	TrackPoint III™ on TrackWrite keyboard					- Battery Status					
Ext keyboard support	Yes (no cable required)					- Standby/Suspend					
Dimensions	9.7 x 7.9 x 1.7" (130 cubic inches)					- Hibernation					
Color	Black					- Speaker off (audio mute)					
Weight (with battery)	4.5 pounds					- Hard disk off					
Battery - type	Super NiCad or NiMH (DX4 mdl's built after 9/95)					- LCD or CRT or both					
Battery - life	2.5 to 7 hours					- Reverse appearance					
Charge time - on / off	1.5 hrs / battery will not charge if unit is off					- Increase/decrease contrast					
Architecture	AT bus (ISA)					- Brighten/dim LCD					
Docking Station	Dock II (requires optional Dock II Adapter Kit)					- Speaker volume up/down					
Port replicator	None (use standard MultiPort II)										
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III										
Serial / parallel ports	One 9 pin; 16550A / ECP/EPP parallel 36 pin (IEEE 1284); non-DMA										
Other features	APM-aware BIOS / Wallmount AC adapter (30 watts) w/ 2 prongs / Selectable boot										
Functions	Data modem, fax modem, audio, telephony function										
Data/fax modem	14.4/14.4 data/fax modem function (with RJ11 jack)										
Audio support	16 bit audio chip on planar (ESS688 and Yamaha OPL3) / FM Synthesis										
Audio in/out jacks	Input jack / microphone jack / output jack										
Telephone	Telephone / answering machine / full duplex speakerphone										
Infrared ports	Infrared port (on back) / IRDA 1.0 compatible / up to 115.2 Kbps										
Security	Power-on password / locking device keyhole also called MicroSaver™ security connector (Kensington™ lock)										
Preinstalled software	IBM DOS 6.3, Windows™ 3.11, (and OS/2 Warp on DX4 models), and all appls listed to right:										
Warranty	3 year - EasyServ only (optional onsite special bid only)										

<p>Configuration Utility is entered by Fn+F1 at any time</p> <p>MultiPort II (ships standard) is 1.7 x .9 x 10" and has ports for:</p> <ul style="list-style-type: none"> - Mouse/Numpad connector (6 pin) - External keyboard connector (6 pin) - EPP parallel port (25 pin) - Serial connector (RS-232D - 9 pin) - Audio line in (3.5 mm) - Audio line out (3.5 mm) - External display connector (15 pin) - DC input connector <p>ECP/EPP port (36 lines) connects either the external floppy or a printer. The standard External Diskette Drive Cable (13.2") has a 36-pin and a 26-pin connector. The Standard Printer Cable Adapter (7.1") has a 36-pin connector and a 25-pin connector (so a conventional printer cable is needed)</p> <p>≧ Withdrawn from marketing eff December 1995</p>	<p>Compatible in all 701 models:</p> <table border="0"> <tr><td>- Disks: 540 MB disk 13 ms</td><td>04H6894</td></tr> <tr><td>720 MB disk 13 ms</td><td>10H4096</td></tr> <tr><td>- Dock II (2 slot / 2 bay)</td><td>84G3587</td></tr> <tr><td>- Dock II Adapter Kit</td><td>04H6196</td></tr> <tr><td>- 4 MB SO-DIMM 3.3v</td><td>92G7259</td></tr> <tr><td>- 8 MB SO-DIMM 3.3v</td><td>92G7261</td></tr> <tr><td>- 16 MB SO-DIMM 3.3v</td><td>92G7263</td></tr> <tr><td>- 32 MB SO-DIMM 3.3v</td><td>92G7281</td></tr> <tr><td>- Universal AC Adapter 30 watts</td><td>04H8367</td></tr> <tr><td>- AC Adapter 30 w, wall, 2 pin</td><td>10H4020</td></tr> <tr><td>- AC Adapter 35 w, ww, 3 pin</td><td>85G6680</td></tr> <tr><td>- Super NiCad Battery</td><td>10H4019</td></tr> <tr><td>- NiMH Battery</td><td>25H4862</td></tr> <tr><td>- MultiPort II</td><td>10H4021</td></tr> <tr><td>- External diskette with cable</td><td>10H4068</td></tr> <tr><td>- EPP Printer Cable & Cable Pack</td><td>10H4069</td></tr> </table> <p>ThinkPad 360, 750, 755 family disks, batteries, memory, and Dock I are NOT compatible in the ThinkPad 701 family</p>	- Disks: 540 MB disk 13 ms	04H6894	720 MB disk 13 ms	10H4096	- Dock II (2 slot / 2 bay)	84G3587	- Dock II Adapter Kit	04H6196	- 4 MB SO-DIMM 3.3v	92G7259	- 8 MB SO-DIMM 3.3v	92G7261	- 16 MB SO-DIMM 3.3v	92G7263	- 32 MB SO-DIMM 3.3v	92G7281	- Universal AC Adapter 30 watts	04H8367	- AC Adapter 30 w, wall, 2 pin	10H4020	- AC Adapter 35 w, ww, 3 pin	85G6680	- Super NiCad Battery	10H4019	- NiMH Battery	25H4862	- MultiPort II	10H4021	- External diskette with cable	10H4068	- EPP Printer Cable & Cable Pack	10H4069	<p>FEATURES OF 701CS / 701C MODELS</p> <p>Battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>Standby, suspend, hibernation, and RediSafe modes</p> <p>US EPA Energy Star compliant</p> <p>Personalized nameplate in molded indentation</p> <p style="text-align: center;">HELPWARE</p> <p>3 year warranty</p> <p>International Warranty Service</p> <p>24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support</p> <p>IBM or dealer warranty/service</p> <p>Online Housecall (remote diagnostics)</p>
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- External diskette with cable	10H4068																																	
- EPP Printer Cable & Cable Pack	10H4069																																	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

☐ = Upgradeable; ○ = Removable; * DX4 models had price decrease effective Feb 9, 1996

≧ = Withdrawn from marketing on or before June 1996

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 No warranties are expressed or implied in this summary
 (701) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 710T, 720, 720C - withdrawn

IBM® ThinkPad®:	⌘ 710T pen tablet	⌘ 720 monochrome			⌘ 720C color TFT
Processor type	80486 SLC	80486 SLC2			80486 SLC2
Processor speed	25 MHz	50/25 MHz			50/25 MHz
Memory cache	16 KB internal	16 KB internal			16 KB internal
Coprocessor socket	No	Yes (for 387 SL)			Yes (for 387 SL)
Diskette drive	Optional 3.5" 1.44 MB	3.5" 1.44 MB			3.5" 1.44 MB
Price (retail USD)	\$ 1,859	\$ 2,749	\$ 2,849	\$ 2,495 ↕	\$ 2,655 ↕
Type - model	2523-09Y	2523-302	2523-303	9552-307	9552-308
Hard drive - size	Option (TPF)	60 MB	60 MB	120 MB ▣	160 MB ▣
Hard drive - speed	5, 10, 15 MB	18.5 ms	18.5 ms	17 ms ○	15 ms ○
Available date	March 93	March 93	March 93	May 93	May 93
Withdrawal date	Sept 94	Sept 94	March 94	March 94	March 94
Display - type	VGA mono	VGA mono			VGA color
Display - grey scales	16 grey scales	64 grey scales			256 colors 640x480
Display - technology	STN Transflective	STN			Thin film transistor
Display - light source	LCD - Backlit	LCD - backlit			Active matrix
Display - size (diag)	9.5 inch	9.5 inch			10.4 inch
Display - contrast ratio	3 to 1	18 to 1			100 to 1
180 degree display tilt	N/A	Yes			Yes
Memory - std / max	4 / 12 MB 80 ns	4 / 16 MB 80 ns			4 / 16 MB 80 ns
Mem - sockets empty	1 socket (parity)	2 sockets (parity)			2 sockets (parity)
SIMM/ICs available	2, 4, 8 MB SIMMs	2, 4, 8 MB ICs			2, 4, 8 MB ICs
Keyboard / # of keys	External (any PS/2 keyboard)	Full size alp/num/ 84			Full size alp/num/ 84
Fn key functions	N/A (no keyboard)	None			None
Keyboard slope	N/A is supported)	8 degrees (legs)			8 degrees (legs)
Mouse/pointing	Electromagnetic pen	TrackPoint II™			TrackPoint II
Ext keyboard support	Yes	Yes (with opt cable)			Yes (with opt cable)
Dimensions	11.6 x 9.6 x 1.4"	11.7 x 8.3 x 1.9"			11.7 x 8.3 x 2.2"
Cubic inches	156 inches	185 inches			214 inches
Carrying case	Blk nylon standard	Many options available			Many options available
Color	Black	Black			Black
Weight (with battery)	5.2 pounds (09Y); 5.5 pounds (302,3)	6.5 pounds			7.6 pounds
Battery - type	Nickel cadmium	Nickel hydride			Nickel hydride
Batt - life (per battery)	3.3 to 4.1 hrs (09Y); 3.1 to 3.8 (302,3)	4 to 8 hours			2.4 to 4.8 hours
Charge time - on / off	N/A / 3 hrs (unit off or suspend only)	3 hrs / 2 hrs			1.5 hrs / 1.4 hrs
Battery - options	Nickel cadmium half size battery	Yes - status indicator			Yes - status indicator
Architecture	Local / AT I/O, DMA	Micro Channel®			Micro Channel
External AT/MCA port	Yes	Yes			Yes
Comm Ctrrdge (1 card)	No	Yes (black)			Yes (black)
Docking Station	No	Yes (3550-002) black			Yes (3550-002) black
Port replicator	No	Yes black			Yes black
Modem/serial slot	No	No			No
PCMCIA slots	3 Type II (09Y); 1 Type II (302, 303)	2 Type I or 2 Type II			2 Type I or 2 Type II
Visible LEDs - closed	N/A	Yes or 1 Type III			Yes or 1 Type III
Serial / parallel ports	Yes / Yes	Yes / Yes (DMA)			Yes / Yes (DMA)
APM-aware BIOS	No	APM-aware BIOS			APM-aware BIOS
Other features	09Y: PenDOS, PenPoint on optional solid state files (10, 15 MB).	Hrdw security loop			Hrdw security loop
Preinstalled software	302: PenDOS 2.0; 303: PenPoint	IBM DOS 5.02,			IBM DOS 5.02,
Warranty	1 year - EasyServ only	PRODIGY®			PRODIGY
		3 year - carry in or EasyServ (opt onsite)			3 year - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with ThinkPad 360, 750, 755.
The 700/720 memory IS compatible with ThinkPad 360, 750, 755.

<p>FEATURES OF 700/700C and 720/720C</p> <p>3 year warranty</p> <p>700/720 mono upgradeable to TFT color</p> <p>700/700C upgradeable to 486SLC2 50/25</p> <p>Upgradeable to 120, 160, 240, 340 MB</p> <p>Removable hard disk</p> <p>Pressure activated TrackPoint II</p> <p>Optional battery w/ power status indicators</p> <p>Quick Charger holds 2 batt; discharge button</p> <p>Coupon book with \$4,000 in savings</p>	<p>⌘ Withdrawn from marketing</p>	<p>FEATURES OF ALL PRODUCTS</p> <p>Suspend/resume mode; battery life indicator</p> <p>Non-disruptive battery exchange</p> <p>Simultaneous LCD and external CRT</p> <p>US EPA Energy Star compliant</p> <p>International travelers warranty</p> <p>IBM or dealer warranty/service</p> <p>30 day money back guarantee</p> <p>24 hour / 7 day fax support</p> <p>24 hour / 7 day bulletin board support</p> <p>24 hour / 7 day telephone support at</p> <p>1-800-772-2227</p>
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ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight).
STN = Super twisted nematic; ▣ = Upgradeable; ○ = Removable

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(2THINKKW) Compiled by Roger Dodson, IBM. September 1994

IBM ThinkPad 730T - withdrawn

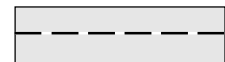
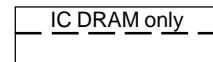
IBM® ThinkPad®:	⚡ 730T pen tablet			
Processor type	80486SX (3.3 volt SL Enhanced)			
Processor speed	33 MHz			
Memory cache	8 KB internal (no L2 cache)			
Coprocessor socket	No			
Diskette drive	Optional 3.5" 1.44 MB (same as ThinkPad 710T and 730TE)			
Price (retail USD)	\$ 2,569	\$ 2,879	\$ 3,119	\$ 3,429
Type - model	2524-801	2524-901	2524-80F	2524-90F
Hard drive - size	Option (required	Option (required	105 MB PCMCIA	105 MB PCMCIA
Hard drive - speed	via PCMCIA disk)	via PCMCIA disk)	15 ms	15 ms
Preinstalled software	N/A	N/A	IBM DOS 6.3 Windows for Pen Computing	IBM DOS 6.3 Windows for Pen Computing
Avail / withdrawn date	May 1994 / June 1996	May 1994 / June 1996	May 1994 / June 1996	May 1994 / June 1996
Memory - std / max	4 / 20 MB	8 / 24 MB	4 / 20 MB	8 / 24 MB
Mem - sockets empty	Uses a specific Type III PCMCIA slot; this will then permit a Type I or II PCMCIA card in rest of slot			
Memory - type	70 ns / non-parity / 5.0 volt			
Memory - options	4, 8, 16 MB ICs			
Display - type	VGA 640 x 480 monochrome	(External display is 640 x 480 with 16 colors)		
Display - grey scales	16 grey scales	(Simultaneous LCD and CRT display)		
Display - technology	STN Transflective	Transflective: can turn on backlight in dark areas or turn it off in bright areas		
Display - light source	LCD - Backlit			
Display - size (diag)	9.5 inch			
Display - contrast ratio	3 to 1			
Keyboard	External (any IBM keyboard is supported; attach to port replicator)			
Mouse/pointing	Electromagnetic pen/digitizer/stylus that realistically simulates the feel of pen-to-paper / untethered / batteryless (a mouse is not supported) / stylus is stored in a compartment on bottom			
Dimensions	10.6 x 8.3 x 1.4"			
Cubic inches	123 inches			
Carrying case	Blk nylon standard (many options also available)			
Color	Black			
Weight (with battery)	3.5 pounds (1 battery); 3.9 pounds (2 batteries)			
Battery - type	Nickel hydride (NiMH)		A false battery pack ships	
Battery - quantity	Two batteries ship standard / can use one or two batteries		standard if only want to	
Batt - life (per battery)	1 battery: 2 to 5 hours		use one battery	
	2 battery: 4 to 10 hours			
Charge time - on / off	N/A / 1.5 hours (unit off or suspend only)			
Architecture	Local memory bus / ISA			
Docking Station	No			
Port replicator	Yes (ships standard / attach to 200 pin connector)			
	Port Replicator includes ① 15 pin external CRT port, ② 9 pin 16550A serial port, ③ 25 pin EPP parallel port, ④ diskette drive connector, ⑤ keyboard port, ⑥ DC port for AC connector			
Modem/serial slot	No (use PCMCIA)			
PCMCIA 2.01 slots	3 Type II or 2 Type III as follows: 1st slot: 2 Type II or 1 Type III (but any additional memory must go into this slot; so adding IC DRAM memory will leave 1 Type II slot remaining) 2nd slot: 2 Type II or 1 Type III (105 MB PCMCIA disk in Models 80F/90F is installed here)			
Serial / parallel ports	Yes (on Port Replicator) / Yes (on Port Replicator)			
Warranty	3 year - ThinkPad EasyServ™			

The ThinkPad 730T requires a bootable operating system with Pen capability. Supported is:

- PenDOS® 2.2 with IBM DOS 6.3
84G9180 - PCMCIA HDD 105 MB PenDOS preloaded
- Pen for OS/2 1.0 with OS/2® 2.11
84G9190 - PCMCIA HDD 105 MB Pen for OS/2 preloaded
- Windows for Pen Computing® 3.1 with IBM DOS 6.3
Models 80F/90F are preloaded with Windows for Pen Computing
- PenRight!® (available at dealers)

PCMCIA SLOT CONFIGURATION

Two Type III (10 mm high):



PCMCIA Type III
260 MB disk in this slot
(Model 80F)

Quick Charger	66G9540
Car Battery Adapter	66G9545
NiMH Battery (dual)	66G9550
AC Adapter 20 watts	84G0480
PortReplicator	84G0485
External 3.5" 1.44 MB diskette drive	48G8263
105 MB HDD (PenDOS)	84G9180
105 MB HDD (PenOS2)	84G9190
Hand Strap	84G0495
Soft Case	84G0490
Battery Case	84G0500

4 MB IC DRAM 70 ns 5v non-parity
8 MB IC DRAM 70 ns 5v non-parity
16 MB IC DRAM 70 ns 5v non-parity

92G7236
92G7237
92G7424

FEATURES OF THINKPAD 730T

- Suspend/resume mode
- Battery life indicator
- Non-disruptive battery exchange
- US EPA Energy Star compliant
- 3 year warranty**
- International Warranty Service**
- 24 hour / 7 day telephone, bulletin board, fax, and electronic support**
- IBM warranty/service**
- 30 day money back guarantee**

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
⚡ = Withdrawn from marketing

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No warranties are expressed or implied in this summary
(730T) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 730TE - withdrawn

IBM® ThinkPad®:	⌘ 730TE pen tablet		<p>The 730TE is the same as the 730T (older models) except:</p> <table border="1"> <thead> <tr> <th>730T</th> <th>730TE</th> </tr> </thead> <tbody> <tr> <td>⌘ 486SX - 33 MHz</td> <td>⌘ IntelDX4 - 75/25 MHz</td> </tr> <tr> <td>⌘ 105 MB disk preloads</td> <td>⌘ 260 MB disk preloads</td> </tr> <tr> <td></td> <td>⌘ Improved storage door for pen</td> </tr> </tbody> </table>	730T	730TE	⌘ 486SX - 33 MHz	⌘ IntelDX4 - 75/25 MHz	⌘ 105 MB disk preloads	⌘ 260 MB disk preloads		⌘ Improved storage door for pen
730T	730TE										
⌘ 486SX - 33 MHz	⌘ IntelDX4 - 75/25 MHz										
⌘ 105 MB disk preloads	⌘ 260 MB disk preloads										
	⌘ Improved storage door for pen										
Processor	IntelDX4™ 75/25 MHz										
Memory cache	16 KB in DX4 (no L2 cache)										
Coprocessor socket	N/A; standard in IntelDX4										
Diskette drive	Optional 3.5" 1.44 MB (same as ThinkPad 710T and 730T)										
Price (retail USD)	\$ 2,849	\$ 3,499									
Type - model	2524-B01	2524-B0F									
Part number	39H5976	39H5975									
Hard drive - size	Option (required	260 MB PCMCIA									
Hard drive - speed	via PCMCIA disk)	12 ms / 4500 rpm / 16 MB/sec burst transfer rate / 5.7 MB/sec media transfer rate									
Preinstalled software	N/A	IBM DOS 7.0 Windows for Pen Computing									
Avail / withdrawn date	Oct 1995 / July 1997	October 1995 / July 1997									
Memory - std / max	8 / 24 MB										
Mem - sockets empty	Uses a specific Type III PCMCIA slot; this will then permit a Type I or II PCMCIA card in rest of slot										
Memory - type	70 ns / non-parity / 5.0 volt										
Memory - options	4, 8, 16 MB ICs										
Display - type	VGA 640 x 480 monochrome	(External display is 640 x 480 with 16 colors)									
Display - grey scales	16 grey scales	(Simultaneous LCD and CRT display)									
Display - technology	STN Transflective	Transflective: can turn on backlight in dark areas or turn it off in bright areas									
Display - light source	LCD - Backlit										
Display - size (diag)	9.5 inch / 3 to 1 contrast ratio										
Graphics controller	Western Digital WD90C24A / VL-Bus 2.0 local bus / 1 MB DRAM memory										
Keyboard	External (any IBM keyboard is supported; attach to port replicator)										
Mouse/pointing	Electromagnetic pen/digitizer/stylus that realistically simulates the feel of pen-to-paper / untethered / batteryless (a mouse is not supported) / stylus is stored in a compartment on bottom										
Dimensions	10.6 x 8.3 x 1.4"										
Cubic inches	123 inches										
Carrying case	Blk nylon standard (many options also available)										
Color	Black										
Weight (with battery)	3.5 pounds (1 battery); 3.9 pounds (2 batteries)										
Battery - type	Nickel hydride (NiMH)	A false battery pack ships standard if only want to use one battery									
Battery - quantity	Two batteries ship standard / can use one or two batteries										
Batt - life (per battery)	1 battery: 1.65 to 5 hours 2 battery: 3.3 to 10 hours										
Charge time - on / off	N/A / 1.5 hours (unit off or suspend only)										
Architecture	Local memory bus / ISA										
Docking Station	No										
Port replicator	Yes (ships standard / attach to 200 pin connector) Port Replicator includes ① 15 pin external CRT port, ② 9 pin 16550A serial port, ③ 25 pin EPP parallel port, ④ diskette drive connector, ⑤ keyboard port, ⑥ DC port for AC connector										
Modem/serial slot	No (use PCMCIA)										
PCMCIA™ 2.1 slots	3 Type II or 2 Type III as follows: 1st slot: 2 Type II or 1 Type III (but any additional memory must go into this slot; so adding IC DRAM memory will leave 1 Type II slot remaining) 2nd slot: 2 Type II or 1 Type III (260 MB PCMCIA disk in Model B0F is installed here)										
Serial / parallel ports	Yes (on Port Replicator) / Yes (on Port Replicator)										
Security	Power-on password										
Warranty	3 year - ThinkPad EasyServ™ (Optional Overnight Repair Option)										

The ThinkPad 730T requires a bootable operating system with Pen capability. Supported is:

- PenDOS® 2.2 with IBM DOS 7.0
39H6014 - PCMCIA HDD 260 MB PenDOS preloaded
- Pen for OS/2 1.03 with OS/2® Warp
39H6017 - PCMCIA HDD 260 MB Pen for OS/2 preloaded
- Windows for Pen Computing® 1.0 with IBM DOS 7.0/Windows 3.11
Model B0F is preloaded with Windows for Pen Computing
- PenRight!® (available at dealers)

PCMCIA SLOT CONFIGURATION

Two Type III (10 mm high):



PCMCIA Type III
260 MB disk in this slot
(Model B0F)

Quick Charger	66G9540
Car Battery Adapter	66G9545
NiMH Battery (dual)	66G9550
AC Adapter 20 watts	84G0480
PortReplicator	84G0485
External 3.5" 1.44 MB diskette drive	48G8263
Hand Strap	84G0495
Soft Case	84G0490
Battery Case	84G0500

260 MB HDD PCMCIA Type III (Blank)	06H9077
260 MB HDD PCMCIA Type III (Warp for Pen)	39H6017
260 MB HDD PCMCIA Type III (PenDOS)	39H6014
4 MB IC DRAM 70 ns 5v non-parity	92G7236
8 MB IC DRAM 70 ns 5v non-parity	92G7237
16 MB IC DRAM 70 ns 5v non-parity	92G7424

FEATURES OF THINKPAD 730TE

- Suspend/resume mode
- Battery life indicator
- Non-disruptive battery exchange
- US EPA Energy Star compliant
- 3 year warranty**
- International Warranty Service**
- 24 hour / 7 day telephone, bulletin board, fax, and electronic support**
- IBM warranty/service**
- 30 day money back guarantee**

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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IBM ThinkPad 750 - withdrawn

IBM® ThinkPad®:	≧ 750 monochrome	≧ 750Cs passive color	≧ 750C color TFT	≧ 750P convertible pen	≧ Traveling Multimedia preconfigured system
Processor type	All: 80486 SL with math co				A preconfigured, multimedia 750C ; Available Sept 93; \$ 7,245 ↘
Processor speed	All: 33 MHz				
Memory cache	All: 8 KB internal				
Coprocessor socket	All: N/A (std in 486SL)				Included with the IBM Traveling Multimedia: Hardware: - 750C (all features listed on left) - 340MB removable hard disk - 12 MB memory (4 MB std + 8 MB IC DRAM card) - 14.4 Data/Fax modem (PCMCIA) - Dock I (Docking Station) - CD-ROM/XA - double speed and Kodak Photo CD multisession - Dock I Carrying Case
Diskette drive	All: 3.5" 2.88 MB ○				
Price (retail USD)	\$ 3,199	\$ 3,749	\$ 2,599 ↘	\$ 2,999 ↘	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Type - model	9545-006	9545-008	9545-206	9545-208	
Hard drive - size	170 MB ■	340 MB ■	170 MB ■	340 MB ■	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Hard drive - speed	15 ms ○	14 ms ○	15 ms ○	14 ms ○	
Avail / withdrawal date	Sept 93 / withd Sept 94		Nov 93 / withd Sept 94		Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Display - type	VGA mono	■	VGA color	VGA color	
Display - grey scales	64 grey scales	■	256 colors	256 colors	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Display - technology	STN	■	STN - passive matrix	Thin film transistor	
Display - light source	LCD - Sidelit	■	LCD - Sidelit	Active matrix	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Display - size (diag)	9.5 inch	■	9.5 inch	10.4 inch	
Display - contrast ratio	18 to 1	■	20 to 1	100 to 1	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
180 degree display tilt	Yes (external SVGA)	■	Yes (external SVGA)	Yes (external SVGA)	
Memory - std / max	All: 4 / 20 MB 70 ns				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Mem - sockets empty	All: 1 socket (parity)				
SIMM/ICs available	All: 2, 4, 8, 16 MB ICs				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Keyboard / # of keys	All: Full size alp/num/ 85				
Keyboard slope	All: Yes (legs pop out)				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Mouse/pointing	All: TrackPoint II				
Ext keyboard support	All: Yes (with option cable)				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Dimensions	11.7 x 8.3 x 1.7"	11.7 x 8.3 x 2.0"	11.7 x 8.3 x 2.0"	11.7 x 8.3 x 2.1"	
Cubic inches	165 inches	194 inches	194 inches	204 inches	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Carrying case	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)	
Color	Black	Black	Black	Black	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Weight (with battery)	5.5 pounds	6.2 pounds	6.4 pounds	6.6 pounds	
Battery - type	Nickel hydride (smart)	Nickel hydride (smart)	Nickel hydride (smart)	Nickel hydride (smart)	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Batt - life (per battery)	5.3 to 12 hours	3.5 to 8 hours	3.4 to 8 hours	5.1 to 12 hours	
Charge time - on / off	1.5 hrs / 1.5 hrs	2.0 hrs / 1.5 hrs	2.0 hrs / 1.5 hrs	1.5 hrs / 1.5 hrs	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Architecture (ext port)	All: AT bus (with external port)				
Docking Station	All: Yes (Dock I and II below)				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Port replicator	All: 2 types (below)				
PCMCIA 2.01 slots	All: 2 Type I or 2 Type II or 1 Type III				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Serial / parallel ports	All: Yes (one 9 pin) / Enhanced Parallel Port (EPP) with 2 MB/sec transfer speed (non-DMA)				
Other features	All: BIOS/Easy Set up/Diagnostics in FLASH EEPROM / APM-aware BIOS / Hibernation mode				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Audio support	All: 16 bit audio chip on planar with Mwave audio codec / Internal high fidelity speaker				
Audio in/out jacks	All: Input jack supports microphone / Output jack supports headphone or stereo speakers				Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Security	All: Hardware security loop / Power-on password / Supervisor password (privileged access password) for hardware config changes / Hard disk password (HDP) allows use of disk				
Preinstalled software	DOS 6.1, PRODIGY®	DOS 6.1, PRODIGY	DOS 6.1, PRODIGY	DOS 6.1, Windows™ 3.1, PenDOS™ 2.2,	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)
Warranty	Online info, demo	Online info, demo	Online info, demo	Windows for Pen, PRODIGY, Online info, demo	
	3 year - carry in or EasyServ (opt onsite)	3 year - carry in or EasyServ (opt onsite)	3 year - carry in or EasyServ (opt onsite)	3 year - carry in or EasyServ (opt onsite for \$40 each year; all mod)	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V (file transfer via cable or modem) - Delrina WinFax PRO (fax software)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 750. The 700/720 memory IS compatible with 750

Dock I (Docking Station) \$685	750 MONOCHROME	FEATURES OF ALL 750 FAMILY
SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360/750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;	Upgradeable to ① monochrome pen enabled screen (same as 750P), or ② 10.4" TFT color	3 year international warranty 16 bit audio chip on planar (Mwave™) Headphone (out)/microphone (in) audio jacks Removable and upgradeable hard disks Removable diskette drive Pressure activated TrackPoint II Std intelligent battery with built in processor for accurate monitoring on screen Discharge battery via mouse click Quick Charger holds 2 batt; discharge button Non-disruptive battery exchange Standby / suspend / hibernation modes Hibernation mode saves memory to the hard disk and shuts system off Selectable boot US EPA Energy Star compliant Personalized nameplate in molded indentation Coupon book with \$4,000 in savings IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support
Dock II (Docking Station) \$719 SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high (HH)); Can house removable disk from 360/750/755; Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play ready	750Cs DUAL SCAN COLOR Dual scan passive matrix color screen	
Port Replicator Model I \$299 2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power	750C ACTIVE MATRIX COLOR Largest 10.4" active matrix color screen	
Port Replicator Model II \$109 Same as Model I except no PCMCIA slots	750P CONVERTIBLE PEN Same display as the 750 monochrome. Can be used in normal upright position or folded down into a position suitable for writing via the standard untethered stylus.	
	Cellular Digital Packet Data (CDPD) Mobile Communications Module Provides transmission of analog and digital data using a cellular telephone. Supported on 750, 750Cs, 750C (not 750P). High speed 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless; available April 1994; \$1,999	
	Many other options available from IBM	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back within 4 business days (no shipping charges, most shipping is overnight). ■ = Upgradeable; ○ = Removable; ↘ Price decrease effective October 17, 1994

All trademarks are the property of their respective owners
No warranties are expressed or implied in this summary
(750THINK) Compiled by Roger Dodson, IBM. October 1994

IBM ThinkPad 755 - withdrawn

IBM® ThinkPad®:	≧ 755Cs dual scan color			≧ 755C TFT color			≧ Traveling Multimedia preconfigured system						
Processor type	80486 DX2 <input type="checkbox"/> to DX4			IntelDX4			80486 DX2 <input type="checkbox"/> to DX4			IntelDX4			A preconfigured, multimedia 755C ; Available June 94; Withdrawn Dec 95; Part #2337289 \$ 6,399 [✶]
Processor speed	50/25 MHz 3.3 volt			75/25 MHz 3.3 volt			50/25 MHz 3.3 volt			75/25 MHz 3.3 volt			
Processor cache	8 KB internal (no L2)			16 KB internal (no L2)			8 KB internal (no L2)			16 KB internal (no L2)			
Coprocessor socket	N/A (std in 486DX2)			N/A (std in 486DX4)			N/A (std in 486DX2)			N/A (std in 486DX4)			
Removable diskette	3.5" 1.44 MB <input type="checkbox"/>			3.5" 1.44 MB <input type="checkbox"/>			3.5" 1.44 MB <input type="checkbox"/>			3.5" 1.44 MB <input type="checkbox"/>			
Price (retail USD)	\$3,399	\$3,899	\$4,299	\$3,899	\$4,399	\$4,799	\$2,799	\$3,099	\$3,449	\$3,399	\$3,699	\$3,999	
Type - model	all 9545			E0C E0E E0G			F0C F0E F0G			L0C L0E L0G			Included with the IBM Traveling Multimedia: Hardware: - 755C Model L0G - DX4 75/25 with all features listed on left - 540 MB removable hard disk - 8 MB memory (4 MB std + 4 MB DIMM on Memory Adapter) - 14.4 Data/Fax modem (PCMCIA) - Dock I (Docking Station) - CD-ROM/XA - double speed and Kodak Photo CD multisession - Dock I Carrying Case - Interlink® ProPoint™ Software - same as 755C plus: - Asymetrix® COMPEL™ - Asymetrix MediaBlitz! (library of media clips) - LapLink™ V - Picture Factory™ - TalkWorks™ - Sound Effects Library - ClickArt™ 2000
Removable disk - size	170 <input type="checkbox"/> 340 <input type="checkbox"/> 540 <input type="checkbox"/>			170 <input type="checkbox"/> 340 <input type="checkbox"/> 540 <input type="checkbox"/>			170 <input type="checkbox"/> 340 <input type="checkbox"/> 540 <input type="checkbox"/>			170 <input type="checkbox"/> 340 <input type="checkbox"/> 540 <input type="checkbox"/>			
Hard disk - speed ms	15 <input type="checkbox"/> 14 <input type="checkbox"/> 14 <input type="checkbox"/>			15 <input type="checkbox"/> 14 <input type="checkbox"/> 14 <input type="checkbox"/>			15 <input type="checkbox"/> 14 <input type="checkbox"/> 14 <input type="checkbox"/>			15 <input type="checkbox"/> 14 <input type="checkbox"/> 14 <input type="checkbox"/>			
Avail / withdrawn date	Jun 94 / May 95			Jun 94 / May 95			Jun 94 / Dec 95			Jun 94 / Dec 95			
Display - type	VGA color			VGA color			VGA color			VGA color			
Display - colors	256 colors 640x480 (palette of 4096 colors)			256 colors 640x480 (palette of 262,144 colors)			256 colors 640x480 (palette of 262,144 colors)			256 colors 640x480 (palette of 262,144 colors)			
Display - technology	STN - passive matrix			STN - passive matrix			TFT - active matrix			TFT - active matrix			
Display - light source	LCD - Sidelit			LCD - Sidelit			LCD - Backlit			LCD - Backlit			
Display - size (diag)	9.5 inch Dual scan			9.5 inch Dual scan			10.4 inch			10.4 inch			
Display - contrast ratio	20 to 1			20 to 1			100 to 1			100 to 1			
Graphics - controller	All: WD90C24A or WD90C24A2 with 1 MB DRAM / Graphics WinMarks 4.0 = 4.3												
Graphics - vendor	All: Western Digital / External SVGA to 1024 x 768 w/ 256 colors												
Graph - arch/data path	All: VL-Bus / 32 bit VESA local bus / Simultaneous LCD and CRT / 180 degree tilt												
Memory - std / max	All: 4 / 36 MB 70 ns <i>Memory upgraded via ① 1 open socket for IC memory card for 20 MB max or ② new DIMM technology for max of 36 MB with 4 or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.</i>												
Mem - sockets empty	All: 1 socket (parity)												
Mem-options available	All: 2, 4, 8, 16, 32 MB ICs or 4, 16 MB DIMMs that works on optional Memory Module Adapter												
Keyboard / # of keys	All: Full size alp/num/ 85			Fn + F2 = Fuel gauge			Fn + F7 = Ext display/LCD						
Fn key functions	All: 8 (in any appl)			Fn + F3 = Standby			Fn + F8, F9, F10 = (reserved)						
Keyboard slope	All: Yes (legs pop out)			Fn + F4 = Suspend			Fn + F11 = Power mgmt						
Mouse/pointing	All: TrackPoint II™			Fn + F5 = Audio decrease			Fn + F12 = Hibernation mode						
Ext keyboard support	All: Yes (with option cable)			Fn + F6 = Audio increase									
Dimensions	All: 11.7 x 8.3 x 2.0" (194 cubic inches) <i>Easy-Setup is entered by holding F1 when turning on.</i>												
Color	All: Black												
Weight (with battery)	6.1 pounds			6.4 pounds			Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel gauge.						
Battery - type	Nickel hydride (smart)			Nickel hydride (smart)									
Batt - life (per battery)	4 to 8 hours			3.1 to 8 hours									
Charge time - on / off	2 hrs / 1.5 hrs			2.0 hrs / 1.5 hrs									
Architecture	All: AT bus (ISA) <i>Diskette drive can be removed ① to reduce weight, ② to insert cellular modem (CDPD), ③ to insert TV Tuner (for on screen TV and VCR playback), or ④ to add other third party options.</i>												
Docking Station	All: Yes (Dock I and II below)												
Port replicator	All: Yes (2 types below)												
PCMCIA™ 2.1 slots	All: 2 Type I or 2 Type II or 1 Type III												
Serial / parallel ports	All: Yes (one 9 pin; 16550A) / Enhanced Parallel Port (EPP); non-DMA												
Other features	All: APM-aware BIOS / Hibernation mode / Wallmount A/C adapter (40 watts) / Selectable boot												
Audio support	All: 16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone												
Audio in/out jacks	All: Input jack supports microphone / Output jack supports headphone or stereo speakers												
Security	All: Power-on password / Hard disk password / Supervisor password (for hardware config changes) / Hardware security loop / PCMCIA card lock / (Security Base optional)												
Preinstalled software	All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications: ① Lotus® cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0, ⑤ Triton CoSessions™ Host, ⑥ PRODIGY®, ⑦ America Online™, ⑧ SofNet FaxWorks™ 3.0												
Warranty	All: 3 year - carry in or EasyServ (opt onsite \$40 yr) <i>The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I.</i>												

Dock I (Docking Station) \$685
SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360/750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;
Dock II (Docking Station) \$719
SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play ready
Port Replicator Model I \$299
2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power
Port Replicator Model II \$109
Same as Model I except <i>no</i> PCMCIA slots

The ThinkPad 755 family supports all of the options of the ThinkPad 750 family.

Compatible in 360, 750, and 755 family:

- Hard disks (170, 250, 340, 540, 810 MB)
- Batteries (see below)
- Dock I and Dock II
- Port Replicator I
- Port Replicator II
- CDPD Mobile Module (not pen models)
- Diskette drive
- AC Adapter
- Quick Charger

ThinkPad IC memory for 700, 720, 750, and 755 are all compatible.

The 700 and 720 family hard disks, batteries, and docking station are NOT compatible with 750 or 755 family.

Battery compatibility:	360	750	755
84G2392 360 NiMH battery	Y	N	N
66G2846 750 NiMH battery	Y	Y	Y

Y = battery supported; N = not supported

Winstone 94 for 755C DX4 = 37.8

Cellular Digital Packet Data (CDPD) Mobile Communications Module \$1,999

Provides transmission of analog and digital data using a cellular telephone. Supported on all 360/750/755 (except 750P). 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless.

FEATURES OF ALL 750 and 755 FAMILY

- Discharge battery via mouse click
- Quick Charger holds 2 batt; discharge button
- Battery life indicator
- Non-disruptive battery exchange
- Standby / suspend / hibernation modes
- EasyPlaying (PC Card Director™) preinstalled and included on Utility Diskette (755 only)
- US EPA Energy Star compliant
- Personalized nameplate in molded indentation
- International travelers warranty**
- IBM or dealer warranty/service**
- 30 day money back guarantee**
- 24 hour / 7 day fax support**
- 24 hour / 7 day bulletin board support**
- 24 hour / 7 day telephone support**

IBM ThinkPad 755CSE / CE - withdrawn

IBM® ThinkPad®:	≧ 755CSE dual scan color	≧ 755CE TFT color	ThinkPad 755CSE / CE strengths:			
Processor type	IntelDX4™ / no L2 cache		<ul style="list-style-type: none"> ⊕ DSP with audio, data/fax modem, telephony ⊕ Infrared communication ⊕ Color: 10.4 dual scan or 10.4 Black Matrix TFT ⊕ Removable disk and diskette ⊕ Liftable keyboard and TrackPoint III ⊕ Upgrade to Pentium with L2 cache 			
Processor speed	100/33 MHz / 3.3 volt					
Processor / L2 upgrade	Pentium 75/50 MHz which includes L2 cache of 256 KB / write-through / direct mapped / 12 ns / soldered					
Removable diskette	Internal 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette					
Removable CD-ROM	Supports PCMCIA Cartridge, TV Tuner, or CDPD in diskette bay					
	Not supported (Diskette bay is called UltraBay™)					
Price (retail USD)	\$ 3,499 ↘	\$ 3,849 ↘	\$ 4,299 ↘	\$ 4,299 ↘	\$ 4,649 ↘	\$ 5,099 ↘
Type - model	9545-6BC	9545-6BD	9545-6BE	9545-7BC	9545-7BD	9545-7BE
Removable disk - size	340 MB ⊠	540 MB ⊠	810 MB	340 MB ⊠	540 MB ⊠	810 MB
Removable disk - spd	14 ms ○	14 ms ○	14 ms ○	14 ms ○	14 ms ○	14 ms ○
Available date	Nov 1994	Nov 1994	Nov 1994	Oct 1994	Oct 1994	Oct 1994
Display - type	VGA color / 640 x 480		VGA color / 640 x 480			
Display - colors	256 simultaneous colors		65,536 simultaneous colors			
Display - technology	Dual scan		Black Matrix TFT - active matrix			
Display - diagonal size	10.4 inch / 20 to 1 contrast ratio		10.4 inch / 100 to 1 contrast ratio			
Graphics - controller	WD90C24A2 with 1 MB DRAM		Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)			
Graphics - vendor	Western Digital		VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt			
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit					
Memory - std / max	8 MB / 40 MB 70 ns / parity / 5 volt		Memory upgraded via			
Mem - sockets empty	1 socket		① 1 open socket for IC memory card for 20 MB max or			
Mem-options available	2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter		② new DIMM technology for max of 40 MB with 4, 8, or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.			
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)					
Keyboard slope	Yes (legs pop out)					
Mouse/pointing	TrackPoint III™					
Ext keyboard support	Yes (with option cable)					
Dimensions	11.7 x 8.3 x 1.96" (190 cubic inches)		ALL 755CSE / CE MODELS			
Color	Black					
Weight (with battery)	6.4 pounds					
Battery - type	Nickel hydride (NiMH) / intelligent		Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory			
Battery - life	3.3 to 10 hours					
Charge time - on / off	1.7 hrs / 1.2 hrs					
Architecture	AT bus (ISA)		Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel gauge.			
Docking Station	Dock I and II					
Port replicator	Port Replicator I and II					
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III					
Serial / parallel ports	One 9 pin; 16550A / Enhanced Parallel Port (EPP and ECP)					
Other features	APM-aware BIOS / Wallmount A/C adapter (40 watts) / Selectable boot					
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function					
Data/fax modem	Data/fax modem function via DSP					
Audio support	16 bit audio chip on planar with Mwave DSP					
Audio in/out jacks	Input jack / output jack supports					
Telephone	Telephone / answering machine / full duplex speakerphone					
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps					
Security	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock					
Preinstalled software	IBM DOS 6.3, Windows™ 3.11, OS/2 Warp 3.0, and all apps listed to right:					
Warranty	3 year - carry in or EasyServ (optional onsite \$40 yr)					

Integrated Mwave™ DSP provides:

- ① **Data modem function**
 - V.22bis (2400 bps)
 - V.32 (9600 bps)
 - V.32bis (14.4 Kbps)
- ② **Fax modem function**
 - G3 fax send/receive (14.4 Kbps)
- ③ **Audio function**
 - Stereo waveform record and playback
 - Qsound™ support (3-D effect)
 - 32 voice MIDI wave table synthesizer
 - SoundBlaster™ support
 - Text to speech (via Monologue)
- ④ **Telephone function**
 - Full telephone (can use opt headset)
 - Telephone answering machine
 - Full duplex speakerphone

⊕ **Software upgradeable** (28.8 and DSV2)

PREINSTALLED APPLICATIONS

- IBM DOS 6.3
- Windows 3.11
- OS/2 Warp 3.0 (dual boot) w/ BonusPak
- CompuServe Info Mgr™, IBM Works
- Internet Connection, Person to Person
- HyperACCESS Lite™, Video IN
- FaxWorks™, MM Viewer™
- IBM PC Card Director™ for PCMCIA
- IBM ThinkPad Demo (except 340 MB mod)
- Online Users Guide
- ThinkPad features

1. Lotus® cc:Mail™, e-mail for Advantis® network
2. Lotus Organizer™ 1.12
3. Lotus ScreenCam™ 1.0
4. Triton CoSession™ Host
5. PRODIGY®; 6. America Online®
7. SofNet FaxWorks™ Voice™ 3.0
8. Video For Windows™ 1.1 Runtime
9. Monologue (text to speech)
10. Puma TranXit™ (infrared function)
11. Taxi™
12. AlphaNet™ FollowFax™
13. SEDONA™ REPRINT™
14. COMPEL™ Personal Edition
15. Audiofile® TalkWorks™
16. Reuters™ Money® Network
17. Mwave Sampler (CD)

The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I and II.

Diskette drive can be removed (from UltraBay™)

- ① to reduce weight
- ② to insert cellular modem (CDPD)
- ③ to insert TV Tuner (for on screen TV and VCR playback)
- ④ to insert PCMCIA Cartridge (Type I, II, or III)
- ⑤ to insert 2.88 MB diskette
- ⑥ to add other third party options

Options for 755CSE / CE:

- NiMH Battery Pack II	85G1513
- 760 NiMH Battery (black)	41H9720
- TV Tuner (CE only)	66G3689
- FDD External Attachment Kit	66G3618
- Memory Module Adapter	84G2151
- 4 MB SO DIMM parity	92G7253
- 8 MB SO DIMM parity	92G7255
- 16 MB SO DIMM parity	92G7257

Compatible in all ThinkPad 360 family, 750 family, 755 family:

- Disks:	170 MB IDE	66G2847/9
	250 MB IDE	84G2391
	340 MB IDE	66G2849
	540 MB IDE	84G2150
	810 MB IDE	84G8250
- Dock I (1 slot / 1 bay)		3545001
- Dock II (2 slot / 2 bay)		3546001
- Port Replicator I (w/ PCMCIA)		66G3510
- Port Replicator II		66G3520
- 1.44 MB diskette	std in newer	
- 2.88 MB diskette		66G0108

Options for 755CSE / CE:

- PCMCIA Cartridge	84G1301
- Pentium/L2 upgrade	85G8609

ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible

FEATURES OF 755CSE / CE MODELS

- Discharge battery via mouse click
- Battery life indicator
- Non-disruptive battery exchange
- Standby, suspend, and hibernation modes
- US EPA Energy Star compliant
- Personalized nameplate in molded indentation
- Personalization screen at startup
- SelectaSystem™ capability to select operating system choice

3 year warranty
International Warranty Service
24 hour / 7 day telephone, bulletin board, fax, and electronic support
IBM or dealer warranty/service
Online Housecall (remote diagnostics)
30 day money back guarantee

≧ Withdrawn from marketing effective December 1995

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99..

⊠ = Upgradeable ○ = Removable ↘ = Price decrease effective June 20, 1995

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 No warranties are expressed or implied in this summary (755E) Compiled by Roger Dodson, IBM. December 1995

IBM ThinkPad 755CX - withdrawn

IBM® ThinkPad®:	⚡ 755CX No DSP - 640 x 480	⚡ 755CX DSP - 800 x 600	Same as ThinkPad 755CE except includes:		
Processor type	Pentium® 75/50 MHz		<ul style="list-style-type: none"> ⊃ Pentium 75/50 MHz ⊃ 256 KB L2 cache ⊃ SVGA 800 x 600 LCD (on some models) ⊃ Non-parity memory ⊃ Lithium ion battery (on two models) ⊃ DOS 7.0 (instead of DOS 6.3) and Mind Path Pro 		
Coprocessor socket	N/A (standard in Pentium)				
L2 cache	256 KB / write-through / direct mapped / 12 ns / soldered				
Removable diskette	Internal 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette				
Removable CD-ROM	Not supported (Diskette bay is called UltraBay™)				
Price (retail USD)	\$ 3,749 ⚡	\$ 4,149 ⚡	\$ 4,849	\$ 5,249	\$ 5,699
Type - model	9545-SBJ	9545-SBK	9545-HBD	9545-HBE	9545-HBL
Part number	84G6381	85G1669	85G8555	85G8524	85G7518
Removable disk - size	540 MB □ ○	810 MB □ ○	540 MB □	810 MB □	1.2 GB ○
Removable disk - spd	14 ms ○	14 ms ○	14 ms ○	14 ms ○	12 ms
Avail / withdrawn date	Jun 95 / Jun 96	Jun 95 / Jun 96	May 1995	May 1995	Sept 95 / Jun 96
Display - type	VGA color / 640 x 480		SVGA color / 800 x 600		
Display - colors	65,536 simultaneous colors				
Display - technology	Black Matrix TFT - active matrix				
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio		10.4 inch / 110 to 1 contrast ratio		
Graphics - controller	WD90C24A (Rev C) with 1 MB DRAM				
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)				
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt				
Memory - std / max	8 MB / 40 MB 70 ns / non-parity / 5 volt		Memory upgraded via		
Mem - sockets empty	1 socket (parity memory supported but w/o parity)		① 1 open socket for IC memory card for 40 MB max or		
Mem-options available	2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter		② new DIMM technology for max of 40 MB with 4, 8, or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.		
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)				
Keyboard slope	Yes (legs pop out)				
Mouse/pointing	TrackPoint III™				
Ext keyboard support	Yes (with option cable)				
Dimensions	11.7 x 8.3 x 1.96" (190 cubic inches)				
Weight (with battery)	6.1 pounds				
Battery - type	NiMH / intelligent		Lithium ion / intelligent		
Battery - life	2.6 to 8 hours Supports optional		3 to 9 hours Supports optional		
Charge time - on / off	1.7 hrs / 1.2 hrs Li-Ion battery		2-2.5 hrs / 1.5-2 hrs NiMH battery		
Architecture	AT bus (ISA)		Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel gauge.		
Docking Station	Dock I and II				
Port replicator	Port Replicator I and II				
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III				
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)				
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Selectable boot				
Video function	None		None		
DSP function	None (but can order DSP upgrade)		Mwave MDSP2780 DSP with modem, fax, audio, telephony function		
Data/fax modem	None (but can order DSP upgrade)		Data/fax modem function via DSP		
Audio support	None (but can order DSP upgrade)		16 bit audio chip on planar Mwave DSP		
Audio in/out jacks	None (but can order DSP upgrade)		Internal speaker (with dial volume control) and internal microphone		
Telephone	None (but can order DSP upgrade)		Input jack supports microphone / Output jack supports headphone/speakers		
Infrared ports	Infrared ports (front and back) / IRDA compatible / up to 1.15 Mbps		Telephone (w/ opt headset) / answering machine / full duplex speakerphone		
Security	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / locking device keyhole (Kensington™ lock) / PCMCIA card lock				
Preinstalled software	IBM DOS 7.0, Windows™ 3.11, OS/2 Warp Version 3 and all apps listed to right:				
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Service) or carry-in				
Upgradeable or Integrated Mwave™ DSP provides:	Compatible in all ThinkPad 360 family, 750 family, 755 family:				
① Data modem function	- V.22bis (2400 bps)		- 170 MB IDE		66G2847
	- V.32 (9600 bps)		- 250 MB IDE		84G2391
	- V.32bis (14.4 Kbps)		- 340 MB IDE		66G2849
② Fax modem function	- G3 fax send/receive (14.4 Kbps)		- 540 MB IDE		84G2150
③ Audio function	- Stereo waveform record and playback		- 810 MB IDE		84G8250
	- Qsound™ support (3-D effect)		- 1.2 GB IDE		85G8562
	- 32 voice MIDI wave table synthesizer		- Dock I (1 slot / 1 bay)		3545001
	- SoundBlaster™ support		- Dock II (2 slot / 2 bay)		3546001
	- Text to speech (via Monologue)		- Port Replicator I (w/ PCMCIA)		66G3510
④ Telephone function	- Full telephone (can use opt headset)		- Port Replicator II		66G3520
	- Telephone answering machine		- 1.44 MB diskette		std in newer
	- Full duplex speakerphone		- 2.88 MB diskette		66G0108
⊃ Software upgradeable (to 28.8 and DSVD)			Options for 755CX:		
Easy-Setup is entered by holding F1 when turning on.			- PCMCIA Cartridge		84G1301
			- FDD External Attachment Kit		66G3618
			- CDPD Communications Module		71G2560
			- Mwave DSP Upgrade		2420801
	ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible				
	ThinkPad 755CX supported batteries:				
	- NiMH Battery Pack II				85G1513
	- Lithium Ion				85G8561
	- Li-Ion Battery Pack II				29H9329
	- Travel Quick Charger (for NiMH or Li-Ion)				85G1522
	FEATURES OF 755CX MODELS				
	Discharge battery via mouse click				
	Battery life indicator				
	Non-disruptive battery exchange				
	Standby, suspend, and hibernation modes				
	US EPA Energy Star compliant				
	Personalized nameplate in molded indentation				
	Personalization screen at startup				
	3 year warranty				
	International Warranty Service				
	24 hour / 7 day telephone, bulletin board, fax, and electronic support				
	IBM or dealer warranty/service				
	Online Housecall (remote diagnostics)				
	30 day money back guarantee				

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable ○ = Removable ⚡ Price decrease effective November 7, 1995
 ⚡ = Withdrawn from marketing effective June 1996

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 No warranties are expressed or implied in this summary
 (755CX) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 755CV - withdrawn

IBM® ThinkPad®:	⚡ 755CV	⚡ 755CV	Same as ThinkPad 755CE except includes: ⚡ Overhead projector LCD ⚡ Supports optional lithium ion battery ⚡ Mind Path™ Remote Control IR55 F/X and software	
	Projector LCD - DX4	Projector LCD - Pentium		
Processor type	IntelDX4™ 100/33 MHz	Pentium® 75/50 MHz	Integrated Mwave™ DSP provides: ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support - Text to speech (via Monologue) ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⚡ Software upgradeable (to 28.8 & DSV2)	
L2 cache	None	256 KB write-through / 12ns		
Processor / L2 upgrade	to Pentium 75/50 MHz which includes 256 KB L2 cache	direct mapped / soldered 64 bit to L2 / 32 bit to mem		
Removable diskette	Internal 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette			
Removable CD-ROM	Supports PCMCIA Cartridge, TV Tuner, or CDPD in diskette bay	Not supported (Diskette bay is called UltraBay™)		
Price				
Type-model / part	9545-8BJ	9545-EBK/9545EBK		9545-EBL /9545EBL
Removable disk - size	540 MB □	810 MB □		1.2 GB □
Removable disk - spd	14 ms ○	14 ms ○		12 ms ○
Avail / withdrawn date	May 95 / Jun 96	Sept 95 / Oct 96		Sept 95 / Oct 96
Display - type	VGA color / 640 x 480			
Display - colors	65,536 simultaneous colors			
Display - technology	TFT - active matrix			
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio			
Display - projector	Overhead projector LCD by removing back (includes Stand and Strap)			
Graphics - controller	WD90C24A2 with 1 MB DRAM			
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)			
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt			
Memory - std / max	8 MB / 40 MB 70 ns / parity	non-parity	Memory upgraded via	
Mem - sockets empty	1 socket / 5 volt		① 1 open socket for IC mem-	
Mem-options available	2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter			
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)			
Keyboard slope	Yes (legs pop out)	Includes Mind Path™		
Mouse/pointing	TrackPoint III™	Remote Control		
Ext keyboard support	Yes (with option cable)	IR55 F/X		
Dimensions	11.7 x 8.3 x 1.96" (190 cubic inches)			
Color	Black			
Weight (with battery)	6.6 pounds			
Battery - type	Nickel hydride (NiMH) / intelligent			
Battery - life	3.3 to 10 hours	2.6 to 8 hours		
Charge time - on / off	1.7 hrs / 1.2 hrs	all support optional Lithium Ion (see below)		
Architecture	AT bus (ISA)			
Docking Station	Dock I and II			
Port replicator	Port Replicator I and II			
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III			
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)			
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Selectable boot			
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function			
Data/fax modem	Data/fax modem function via DSP			
Audio support	16 bit audio chip on planar with Mwave DSP			
Audio in/out jacks	Internal speaker (with dial volume control) and internal microphone			
Telephone	Input jack / output jack			
Infrared ports	Telephone (w/ opt headset) / answering machine / full duplex speakerphone			
Security	Infrared ports (front and back) / IRDA compatible / up to 1.15 Mbps			
Preinstalled software	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / locking device keyhole (Kensington™)			
Warranty	MicroSaver™ cable lock / PCMCIA card lock			
Ships standard w/ Mind Path™ Remote Control	IBM DOS 7.0, Windows™ 3.11, OS/2 Warp Ver 3, and all appls listed to right:			
- Wireless, hand held remote control	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in			
- Uses infrared to communicate up to 45 feet away				
- Includes 5 buttons for instant effects				
- Permits full control of mouse				
Includes Mind Path Presentation F/X software				
- Allows 20 real-time special effects				
- Includes zoom, telestrator, spotlight, magnify, and others				
- Works with all Windows applications				
Easy-Setup by holding F1 when turning on				
ThinkPad 755CV supported batteries:				
- NiMH Battery Pack II	85G1513			
- Lithium Ion	85G8561			
- Li-Ion Battery Pack II (Pentium only)	29H9329			
ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible.				
Compatible in all ThinkPad 360 family, 750 family, 755 family:				
- Disks:	170 MB IDE	66G2847/9		
	250 MB IDE	84G2391		
	340 MB IDE	66G2849		
	540 MB IDE	84G2150		
	810 MB IDE	84G8250		
	1.2 GB IDE	85G8562		
- Dock I (1 slot / 1 bay)		3545001		
- Dock II (2 slot / 2 bay)		3546001		
- Port Replicator I (w/ PCMCIA)		66G3510		
- Port Replicator II		66G3520		
- 1.44 MB diskette	std in newer			
- 2.88 MB diskette		66G0108		
Options for 755CV:				
- PCMCIA Cartridge		84G1301		
- TV Tuner		66G3689		
- FDD External Attachment Kit		66G3618		
- Pentium/L2 upgrade (DX4 mod)		85G8609		
- Cooling Fan Kit (for overhead)		29H8000		
FEATURES OF 755CV MODELS				
Discharge battery via mouse click				
Battery life indicator				
Non-disruptive battery exchange				
Standby, suspend, and hibernation modes				
US EPA Energy Star compliant				
Personalized nameplate in molded indentation				
Personalization screen at startup				
International Warranty Service				
24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet				
(http://www.pc.ibm.com) support				
IBM or dealer warranty/service				
Online Housecall (remote diagnostics)				

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable ○ = Removable; ⚡ = Withdrawn from marketing

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 (755CV) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 755CD - withdrawn

IBM® ThinkPad®:		≧ 755CD		≧ 755CD		ThinkPad 755CD strengths over 755CE / CSE:		
		TFT color - DX4		TFT color - Pentium		<ul style="list-style-type: none"> ⇨ Mobile multimedia - exceeds MPC2 standard ⇨ Removable, double speed, 5.25" CD-ROM ⇨ Video card (acceleration, composite in/out) ⇨ Joystick/MIDI port ⇨ Stereo speakers 		
Processor type	IntelDX4™ 100/33 MHz			Pentium® 75/50 MHz				
L2 cache	None			256 KB write-through / 12 ns				
Processor / L2 upgrade	to Pentium 75/50 MHz which includes 256 KB L2 cache				direct mapped / soldered			
Removable diskette	Internal 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette							
Removable CD-ROM	Supports PCMCIA Cartridge in diskette bay							
		5.25" CD-ROM ○ / double speed / multi-session / XA / front loaded / IDE						
Price							The left bay (UltraBay™) supports either the standard diskette drive or standard CD-ROM. CD-ROM ships in this bay from factory.	
Type - model	9545-9BD	9545-9BE	9545-FBK	9545-FBL				
Removable disk - size	540 MB / 14 ms	810 MB / 14 ms	810 MB / 14 ms	1.2 GB / 12 ms				
Avail / withdrawn date	Oct 1994 / Jun 96	Oct 94 / Jun 96	Sept 95 / Jun 96	Sept 95 / Jun 96				
Display - type	VGA color / 640 x 480 / 65,536 simultaneous colors							Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory
Display - technology	Black Matrix TFT - active matrix							
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio							
Graphics - controller	WD90C24A2 with 1 MB DRAM							Integrated Mwave™ DSP provides: ① Data modem function - V.22bis, V.32, V.32bis (14.4 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support; Text to speech ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⇨ Software upgradeable (to 28.8 & DSVD)
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)							
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt							
Memory - std / max	8 MB / 40 MB 70 ns / parity			non-parity				
Mem - sockets empty	1 socket / 5 volt							
Mem-options available	2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter							
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)							Memory upgraded via ① 1 open socket for IC memory card for 20 MB max or ② new DIMM technology for max of 40 MB with 4, 8, or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.
Keyboard slope	Yes (legs pop out)							
Mouse/pointing	TrackPoint III™							
Ext keyboard support	Yes (with option cable)							
Dimensions	11.7 x 8.3 x 2.2" (214 cubic inches)							
Color	Black							
Weight(w/batt/CD-ROM)	7.3 pounds							
Battery - type	Nickel hydride (NiMH) / intelligent			Nickel hydride (NiMH) / intelligent			Supports optional Li-Ion	
Battery - life	3 to 9 hours			2.5 to 8 hours				
Charge time - on / off	1.7 hrs / 1.2 hrs			1.7 hrs / 1.2 hrs				
Architecture	AT bus (ISA)							
Docking Station	Dock I and II							
Port replicator	Port Replicator I and II							
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III							
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional); non-DMA							
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Selectable boot							
Video function (below)	Daughtercard with video acceleration, composite in/out, game port							PREINSTALLED APPLICATIONS - IBM DOS 6.3 (DOS 7.0 on Pentium mod) - Windows 3.11 (dual boot) - OS/2 Warp 3.0 w/ selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo - Online Users Guide - ThinkPad Features 1. Lotus® cc:Mail™, e-mail for Advantis® network; 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0 8. Video For Windows™ 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit™; 11. Taxi™ 12. AlphaNet™ FollowFax™ 13. REPRINT™; 14. COMPEL™ PE 15. TalkWorks™; 16. Reuters™ Money® Net 17. Asymetrix® Digital video Producer™ 18. Mind Path™ Presentation F/X Pro 19. CD-ROM Catalog/Sampler
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function							
Data/fax modem	Data/fax modem function via DSP							
Audio support	16 bit audio chip on planar with Mwave DSP							
Audio in/out jacks	Int stereo speakers .5 watts (with dial volume control) / int microphone							
Telephone	Input jack / output jack							
Infrared ports	Telephone / answering machine / full duplex speakerphone							
Security	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps							
Preinstalled software	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock							
Warranty	IBM DOS, Windows™ 3.11, OS/2 Warp 3.0, and all apps listed to right: 3 year - ThinkPad EasyServ (optional Overnight Repair Service) or carry-in							
Enhanced Video Card in 755CD provides:		Compatible in all ThinkPad 360 family, 750 family, 755 family:						To use diskette and CD-ROM simultaneously, need FDD External Kit and one of four docking solutions
<ul style="list-style-type: none"> - Acceleration of Video for Windows™ motion video with scaling and interpolation of image. Video may be scaled up to full screen without frame rate degradation. - Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen. - Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen. - Mini game port for MIDI or joystick (includes MIDI/joystick cable) - Includes a video in and video out port (includes two video in/out cables) - Use software called Digital Video Producer™ 		<ul style="list-style-type: none"> - Disks: 170 MB IDE 66G2847/9 250 MB IDE 84G2391 340 MB IDE 66G2849 540 MB IDE 84G2150 810 MB IDE 84G8250 1.2 GB IDE 85G8562 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 1.44 MB diskette std in newer - 2.88 MB diskette 66G0108 						
		Options for 755CD:						ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible FEATURES OF 755CD MODELS Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)
		- PCMCIA Cartridge 84G1301						
		- NiMH Battery Pack II 85G1513						
		- Lithium Ion Battery (Pentium only) 85G8561						
		- Li-Ion Batt Pack II (Pentium only) 29H9329						
		- CDPD Mobile Module 71G2560						
		- FDD External Attachment Kit 66G3618						
		- Pentium/L2 upgrade (DX4 mod) 29H8755						

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable; ○ = Removable; ≧ = Withdrawn from marketing

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 (755CD) Compiled by Roger Dodson, IBM. June 1996

IBM ThinkPad 755CDV - withdrawn

IBM® ThinkPad®:	≧ 755CDV TFT color - projector LCD - DX4		≧ 755CDV TFT color - projector LCD - Pentium		Same features as ThinkPad 755CD except includes: ⇨ Overhead projector LCD ⇨ Supports optional lithium ion battery ⇨ Mind Path™ Remote Control IR55 F/X
Processor type	Intel®DX4™ 100/33 MHz None		Pentium® 75/50 MHz 256 KB write-through / 12ns direct mapped / soldered 64 bit to L2 / 32 bit to mem		
L2 cache	None				Integrated Mwave™ DSP provides: ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support; Text to speech ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⇨ Software upgradeable (to 28.8 & DSVD)
Processor / L2 upgrade	to Pentium 75/50 MHz which includes 256 KB L2 cache				
Removable diskette	Internal 3.5" 1.44 MB ○ / supports internal 2.88 MB diskette Supports PCMCIA Cartridge in diskette bay				① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support; Text to speech ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⇨ Software upgradeable (to 28.8 & DSVD)
Removable CD-ROM	5.25" CD-ROM ○ / double speed / multi-session and XA / front loaded				
Price					PREINSTALLED APPLICATIONS - IBM DOS 7.0 <i>SelectaSystem™</i> - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo - Online Users Guide - ThinkPad Features; Diskette Factory 1. Lotus® cc:Mail™, e-mail for Global® network; 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0 8. Video For Windows™ 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit™; 11. Taxi™ 12. AlphaNet™ FollowFax™ 13. REPRINT™; 14. COMPEL™ PE 15. TalkWorks™; 16. ReutersSM Money® Net 17. Asymetrix® Digital Video Producer™ 18. Mind Path™ Presentation F/X Pro 19. Asymetrix 3D F/X 20. CD-ROM Catalog/Sampler
Type - model / part	9545-ABJ	9545-ABK	9545--GBK	9545-GBL	
Removable disk - size	540 MB / 14 ms	810 MB / 14	810 MB / 14 ms	1.2 GB / 12ms	
Avail / withdrawn date	June 95 / Jun 96	Jun95 / Jun96	Sept 95 / Oct 96	Sept 95 / Oct 96	
Display - type	VGA color / 640 x 480 / 65,536 simultaneous colors				Memory upgraded via ① 1 open socket for IC memory card for 40 MB max or ② new DIMM technology for max of 36 MB with 4, 8, or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.
Display - technology	TFT - active matrix				
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio				
Display - projector	Overhead projector LCD by removing back (includes Stand and Strap)				
Graphics - controller	WD90C24A2 Rev D with 1 MB DRAM				
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)				
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt				
Memory - std / max	8 MB / 40 MB 70 ns / parity		non-parity		
Mem - sockets empty	1 socket / 5 volt				
Mem-options available	2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB DIMMs that work on optional Memory Module Adapter				
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)				
Keyboard slope	Yes (legs pop out)				
Mouse/pointing	TrackPoint III™				
Ext keyboard support	Yes (with option cable)				
Dimensions	11.7 x 8.3 x 2.2" (213 cubic inches)				
Color	Black				
Weight (with battery)	7.45 pounds				
Battery - type	Nickel hydride (NiMH) / smart		Nickel hydride (NiMH) / smart		
Battery - life	3 to 9 hours Supports opt		2.5 to 8 hours Supports opt		
Charge time - on / off	1.7 hrs / 1.2 hrs Lithium ion		1.7 hrs / 1.2 hrs Lithium ion		
Architecture	AT bus (ISA)		Easy-Setup is entered by holding F1 when turning on.		
Docking Station	Dock I and II				
Port replicator	Port Replicator I and II				
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III				
Serial / parallel ports	One 9 pin; 16550A / One (IEEE P1284-A, EPP, ECP, bidirectional)				
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Selectable boot				
Video function (below)	Daughtercard with video acceleration, composite in/out, game port				
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function				
Data/fax modem	Data/fax modem function via DSP				
Audio support	16 bit audio chip on planar with Mwave DSP				
Audio in/out jacks	Internal stereo speakers .5w (w/ dial volume control) and int microphone				
Telephone	Input jack / output jack				
Infrared ports	Telephone / answering machine / full duplex speakerphone Infrared ports (front and back) / IRDA compatible / up to 1.15 Mbps				
Security	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / Locking device keyhole (Kensington™ Microsaver cable lock) / PCMCIA card lock				
Preinstalled software	IBM DOS 7.0, Windows™ 3.11, OS/2 Warp Version 3 and all appls listed to right:				
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in				
Enhanced Video Card in 755CDV provides:	Compatible in all ThinkPad 360 family, 750 family, 755 family: - Disks: 170 MB IDE 66G2847/9 250 MB IDE 84G2391 340 MB IDE 66G2849 540 MB IDE 84G2150 810 MB IDE 84G8250 1.2 GB IDE 85G8562 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 2.88 MB diskette 66G0108 Options for 755CDV: - NiMH Battery Pack II 85G1513 - Lithium Ion battery 85G8561 - Li-Ion Batt Pack II (Pentium only) 29H9329 - CDPD Mobile Module 71G2560 - PCMCIA Cartridge 84G1301 - Pentium/L2 upgrade (DX4 mod) 29H8755 - Cooling Fan Kit (for overhead) 29H8000 ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible.				
- Acceleration of 'Video for Windows™' motion video with scaling and interpolation of image. Video may be scaled up to full screen without frame rate degradation.					
- Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen.					
- Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen.					
- Mini game port for MIDI or joystick (includes MIDI/joystick cable)					
- Includes a video in and video out port (includes two video in/out cables)					
- Use software called Digital Video Producer™					
To use diskette and CD-ROM simultaneously, need FDD External Kit and one of four docking solutions					
Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory					
Exceeds MPC2 standard					
FEATURES OF 755CDV MODELS					
Discharge battery via mouse click					
Battery life indicator					
Non-disruptive battery exchange					
Standby, suspend, and hibernation modes					
US EPA Energy Star compliant					
Personalized nameplate in molded indentation					
Personalization screen at startup					
International Warranty Service					
24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support					
IBM warranty/service					
Online Housecall (remote diagnostics)					

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable ○ = Removable; ≧ = Withdrawn from marketing

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IBM ThinkPad 760L - withdrawn

IBM® ThinkPad®:	> 760L 10.4" TFT color			ThinkPad 760L strengths: ⇨ Automated tilt up keyboard / palm rest space ⇨ UltraBay: 2nd disk, 2nd battery, diskette ⇨ Two high speed infrared ports ⇨ Integrated audio / speakers / microphone ⇨ 16.7 million simultaneous color LCD																
Processor type	Pentium® (P54LM) / 64 bit to L2 cache / 32 bit to memory Processor speed 90/60 MHz Processor upgrade to Pentium 120/60 MHz L2 cache 256 KB / write-through / direct mapped / 10 ns / synchronous / soldered Removable diskette Internal 3.5" 1.44 MB ○ / no rear connector for diskette drive Removable CD-ROM None (diskette bay is called UltraBay™) - cannot install an int CD-ROM																			
Price	Pallette of 24 systems 9547-U0R 9547-U0A 9547U0A 9547U0R			Differences between 760L and 760LD: <table border="1"> <thead> <tr> <th>760L</th> <th>760LD</th> </tr> </thead> <tbody> <tr> <td>No internal CD-ROM</td> <td>Removable CD-ROM</td> </tr> <tr> <td>1.74" height</td> <td>1.96" height</td> </tr> <tr> <td>6.5 lbs / 169 cu in</td> <td>7.11 lbs / 190 cu in</td> </tr> <tr> <td>Supports 12 mm disks</td> <td>Supports 1.2 GB disks</td> </tr> <tr> <td>2.16 GB max capacity</td> <td>2.4 GB max capacity</td> </tr> <tr> <td>No ext FDD port</td> <td>Ext. FDD port on back</td> </tr> <tr> <td>Price</td> <td>Price</td> </tr> </tbody> </table>	760L	760LD	No internal CD-ROM	Removable CD-ROM	1.74" height	1.96" height	6.5 lbs / 169 cu in	7.11 lbs / 190 cu in	Supports 12 mm disks	Supports 1.2 GB disks	2.16 GB max capacity	2.4 GB max capacity	No ext FDD port	Ext. FDD port on back	Price	Price
760L	760LD																			
No internal CD-ROM	Removable CD-ROM																			
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6.5 lbs / 169 cu in	7.11 lbs / 190 cu in																			
Supports 12 mm disks	Supports 1.2 GB disks																			
2.16 GB max capacity	2.4 GB max capacity																			
No ext FDD port	Ext. FDD port on back																			
Price	Price																			
Type - model	9547-U01	9547-U0A	9547-U0R																	
Preload (see side)	SelectaSys	Windows 95	Blank																	
Part number	9547U01	9547U0A	9547U0R																	
Avail / withdrawn date	Feb 96 / Oct 96	Feb 96 / Oct 96	Feb 96 / Oct 96																	
Remv disk - size / ms	810 MB / 13 ms / EIDE ○																			
Display - diagonal size	10.4 inch																			
Display - type	VGA color / 640 x 480 / 16.7 million simultaneous colors																			
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio																			
Graphics - controller	Trident™ CYBER9320 with 1 MB DRAM																			
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors up to 75 Hz																			
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD/CRT / 180 degree tilt																			
Memory - std / max	8 MB / 64 MB 70 ns / non-parity / 3.3 volt / fast page																			
Mem - upgrade	2 sockets for two JEDEC 88 pin EDO SO DIMMs of 8 or 16 MB (acts like fast page)																			
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery																		
Keyboard slope	Automted tilt up keyboard (5.5 degrees)																			
Pointing / palm rest	TrackPoint III™ / integrated palm rest																			
Ext keyboard support	Yes (with option cable)																			
Dimensions (cubic in)	11.7 x 8.3 x 1.74" (169)																			
Weight (with battery)	6.51 pounds																			
Battery - type	NiMH / intelligent / <i>Optional Lithium Ion</i>																			
Battery - life (1 batt)	3 hours																			
Battery - life (2 batt)	6 hours																			
Charge time - on / off	1.7 hrs / 1.2 hrs																			
Architecture	ISA (EIDE, audio, PCMCIA, diskette, serial, parallel, 240 pin ext expansion) VL-Bus 2.0 / 32 bit / 33 MHz (graphics)																			
Docking Station	Dock I and II																			
Port replicator	Port Replicator I and II																			
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III																			
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																			
Other features	APM-aware BIOS / Universal AC adapter (35 watts) / Selectable boot																			
Motion video accel	None																			
MPEG decoder	None																			
DSP function	None																			
Data/fax modem	None																			
Audio support	16 bit audio chip / 18 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone																			
Audio in/out jacks	Input jack (3.5 mm) / output jack (3.5 mm)																			
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps																			
Telephone	None																			
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock																			
Preinstalled software	Choice of two preloaded configurations (listed to right)																			
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in																			
The left bay (UltraBay™) supports: ① 2nd disk ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option) Easy-Setup is entered by holding F1 when turning on. All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay. Maximum internal disk capacity on 760L is 2.16 GB with two 1.08 GB disks.		Compatible in ThinkPad 760 family: - Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383 810 MB HDD II EIDE 12.5 mm 29H9313 1.08 GB HDD II EIDE 12.5 mm 29H9319 1.2 GB HDD II (LD/CD only) 17 mm 29H9325 - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 2.88 MB diskette 66G0108 - PCMCIA Cartridge 84G1301 - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - FDD External Attachment Kit 66G3618 - Pentium 120/60 MHz upgrade 29H9340 - Car Battery Adapter 49G2167 - ThinkPad AC Adapter (50 watts) 66G3541 - 8 MB SO DIMM 3.3v non-parity EDO 92G7315 - 16 MB SO DIMM 3.3v non-parity EDO 92G7316 - ThinkPad headset 85G1301																		
		SELECTASYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak - IBM PC Card Director™ 3.0 - Online Users Guide - ThinkPad Features Program - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ 4. Video For Windows™ 1.1 Runtime 5. Puma TranXit™ 6. CompuServ for Windows 7. NetFinity for Windows and OS/2 WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ 4. Puma TranXit™ 5. CompuServ for Windows 9. NetFinity for Windows 95																		
		FEATURES OF 760 MODELS Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ○ = Removable

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 (760L) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 760LD - withdrawn

IBM® ThinkPad®: ⚡ 760LD 10.4" TFT color - CD-ROM		ThinkPad 760LD strengths: ⚡ Removable, 4 x speed, 5.25" CD-ROM ⚡ Automated tilt up keyboard / palm rest space ⚡ UltraBay: 2nd disk, 2nd battery, diskette ⚡ Two high speed infrared ports ⚡ Integrated audio / speakers / microphone ⚡ 16.7 million simultaneous color LCD																									
Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM	Pentium® 90/60 MHz (P54LM) / 64 bit to L2 cache / 32 bit to memory Pentium 120/60 MHz 256 KB / write-through / direct mapped / 10 ns / synchronous / soldered 3.5" 1.44 MB ○ / use in UltraBay or attach externally to FDD attach port 5.25" CD-ROM ○ / 4 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI)																										
Price Type - model (part) Preload (see side) Avail / withdrawn date Remv disk - size / ms	9547-U31(9547U31) SelectaSystem Feb 96 / Oct 96 810 MB / 12 ms / EIDE ○ / PIO Mode 4	9547-U3A (9547U3A) Windows 95 Feb 96 / Oct 96	Palette of 24 systems 9547-U3R (9547U3R) Blank Feb 96 / Oct 96																								
Display - diagonal size Display - type Display - technology	10.4 inch VGA color / 640 x 480 / 16.7 million simultaneous colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio																										
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBER9320 with 1 MB DRAM External SVGA to 1024 x 768 w/ 256 colors up to 75 Hz VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt																										
Memory - std / max Memory - upgrade	8 MB / 64 MB 70 ns / non-parity / 3.3 volt / fast page 2 sockets for two JEDEC 88 pin EDO SO DIMMs of 8 or 16 MB (acts like fast page)																										
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fn key functions) Automated tilt up keyboard (5.5 degrees) TrackPoint III™ / integrated palm rest Yes (with option cable)																										
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 1.96" (190 cubic inches) 7.11 pounds																										
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	NiMH / intelligent 3 hours 6 hours 1.7 hrs / 1.2 hrs	<i>Optional</i> <i>Lithium Ion</i>	Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery Exceeds MPC2 standard																								
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCIA, diskette, serial, parallel, ext expansion) VL-Bus 2.0 / 32 bit / 33 Mhz (graphics) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Universal adapter (40 watts) / Selectable boot																										
Motion video accel MPEG decoder DSP function Data/fax modem Audio support	None None None None 16 bit audio chip / 18 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm)																										
Jacks Telephone Infrared ports	None None Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps																										
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock																										
Preinstalled software Warranty	Choice of two preload configurations (listed to right) 3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in																										
Differences between 760L/LD and 760C/CD:		Compatible in ThinkPad 760 family:																									
<table border="1"> <thead> <tr> <th>760L/LD</th> <th>760C/CD</th> </tr> </thead> <tbody> <tr><td>Pentium 90/60 MHz</td><td>Pentium 120/60 or 90/60</td></tr> <tr><td>All 10.4" TFT</td><td>10.4" or 12.1" TFT</td></tr> <tr><td>VGA 640 x 480 LCD</td><td>SVGA 800 x 600 LCD</td></tr> <tr><td>16.7 mil colors on LCD</td><td>65,536 colors on LCD</td></tr> <tr><td>None</td><td>760CD: Enh. Vid Card</td></tr> <tr><td>None</td><td>760CD: MPEG decoder</td></tr> <tr><td>None</td><td>Mwave DSP</td></tr> <tr><td>None</td><td>28.8 modem / DSVD</td></tr> <tr><td>18 voice FM synthesis</td><td>32 voice wavetable syn.</td></tr> <tr><td>NiMH battery</td><td>Li-Ion battery</td></tr> <tr><td>Type is 9547</td><td>Type is 9546</td></tr> </tbody> </table>	760L/LD	760C/CD	Pentium 90/60 MHz	Pentium 120/60 or 90/60	All 10.4" TFT	10.4" or 12.1" TFT	VGA 640 x 480 LCD	SVGA 800 x 600 LCD	16.7 mil colors on LCD	65,536 colors on LCD	None	760CD: Enh. Vid Card	None	760CD: MPEG decoder	None	Mwave DSP	None	28.8 modem / DSVD	18 voice FM synthesis	32 voice wavetable syn.	NiMH battery	Li-Ion battery	Type is 9547	Type is 9546	- Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383 810 MB HDD II EIDE 12.5 mm 29H9313 1.08 GB HDD II EIDE 12.5 mm 29H9319 1.2 GB HDD II (LD/CD only) 17 mm 29H9325 - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 2.88 MB diskette 66G0108 - PCMCIA Cartridge 84G1301 - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - FDD External Attachment Kit 66G3618 - Pentium 120/60 MHz upgrade 29H9340 - Car Battery Adapter 49G2167 - ThinkPad AC Adapter (50 watts) 66G3541 - 8 MB SO DIMM 3.3v non-parity EDO 92G7315 - 16 MB SO DIMM 3.3v non-parity EDO 92G7316 - ThinkPad headset 85G1301		
760L/LD	760C/CD																										
Pentium 90/60 MHz	Pentium 120/60 or 90/60																										
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18 voice FM synthesis	32 voice wavetable syn.																										
NiMH battery	Li-Ion battery																										
Type is 9547	Type is 9546																										
All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay. Maximum internal disk capacity on 760LD is 2.4 GB with two 1.2 GB disks.	Easy-Setup is entered by holding F1 when turning on.																										
FEATURES OF 760 MODELS Product Map; LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																											

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ○ = Removable

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 (760LD) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 760C - withdrawn

IBM® ThinkPad®:	760C 12.1" or 10.4" TFT color						ThinkPad 760C strengths: ⇨ Tilt up keyboard and palm rest space ⇨ Largest notebook display models -- 12.1 inch ⇨ UltraBay: 2nd disk, 2nd battery, diskette ⇨ Integrated 28.8 Kbps modem, audio, telephony ⇨ Two high speed infrared ports	
Processor type	Pentium® (P54LM) / 64 bit to L2 cache / 32 bit to memory							
Processor speed	90/60 or 120/60 MHz (see below)							
Processor upgrade	to Pentium 120/60 MHz							
L2 cache	256 KB / write-through / direct mapped / 10 ns / synchronous / soldered							
Removable diskette	Internal 3.5" 1.44 MB ○ (in UltraBay)							
Removable CD-ROM	None (diskette bay is called UltraBay™) - cannot install an int CD-ROM							
Price	U21		U2A		U22		U2B	
Type - model all 9546	U21		U2A		U22		U2B	
Preload (see side)	SelectaSys		Win 95		SelectaSys		Win 95	
Pentium speed	90/60 MHz		90/60 MHz		120/60 MHz		120/60 MHz	
Remv disk - size / ms	720 MB / 13 ms / EIDE ○		720 MB / 13 ms / EIDE ○		720 MB / 13 ms / EIDE ○		1.08 GB / 13 ms / EIDE ○	
Avail / withdrawn date	Oct 1995 / Oct 1996		Oct 1995 / Oct 1996		Nov 1995 / Oct 1996		Jan 1996 / Oct 1996	
Display - diagonal size	12.1 inch			10.4 inch		12.1 inch		12.1 inch
Display - type	SVGA color / 640 x 480 or 800 x 600 / 65,536 simultaneous colors							
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio							
Graphics - controller	Trident™ CYBER9320 with 1 MB DRAM							
Graphics - external	External SVGA to 1024 x 768 w/ 256 colors up to 75 Hz							
Graph - arch/data path	VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt							
Memory - std / max	8 MB / 64 MB 70 ns / non-parity / 3.3 volt / fast page							
Mem - upgrade	2 sockets for two JEDEC 88 pin EDO SO DIMMs of 8 or 16 MB (acts like fast page)							
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)				Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery			
Keyboard slope	Automated tilt up keyboard (5.5 degrees)							
Pointing / palm rest	TrackPoint III™ / integrated palm rest							
Ext keyboard support	Yes (with option cable)							
Dimensions (cubic in)	10.4" models: 11.7 x 8.3 x 1.74" (169)				12.1" models: 11.7 x 8.3 x 1.92" (186)			
Weight (with battery)	10.4" models: 6.1 pounds				12.1" models: 6.8 pounds			
Battery - type	10.4" models: Lithium Ion / intelligent				12.1" models: Lithium Ion / intelligent			
Battery - life (1 batt)	10.4" models: 3.8 hours Opt				12.1" models: 3.5 hours Opt			
Battery - life (2 batt)	10.4" models: 7.6 hours NiMH				12.1" models: 7 hours NiMH			
Charge time - on / off	10.4" models: 2 to 3 hrs / 1.5 to 2.5 hrs				12.1" models: 2 to 3 hrs / 1.5 to 2.5 hrs			
Architecture	ISA (EIDE, audio, PCMCIA, diskette, serial, parallel, 240 pin ext expansion) VL-Bus 2.0 / 32 bit / 33 MHz (graphics)							
Docking Station	Dock I and II							
Port replicator	Port Replicator I and II							
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III							
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)							
Other features	APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot							
Motion video accel	None							
MPEG decoder	None							
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function							
Data/fax modem	Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.0							
Audio support	16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone							
Audio in/out jacks	Input jack (3.5 mm) / output jack (3.5 mm)							
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps							
Telephone	Telephone / answering machine / full duplex speakerphone							
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock							
Preinstalled software	Choice of two preloaded configurations (listed to right)							
Warranty	3 year - ThinkPad EasyServ only (optional Overnight Repair Option) or carry-in							
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option)				Compatible in ThinkPad 760 family: - Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383 1.08 GB HDD II EIDE 12.5 mm 29H9319 1.2 GB HDD II (CD only) 17 mm 29H9325 - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 1.44 MB diskette std in newer 66G0108 - 2.88 MB diskette 84G1301 - PCMCIA Cartridge 41H9720 - 760 NiMH Battery (black) 29H9329 - Li-Ion Battery Pack II (gray) 85G1522 - Travel Quick Charger 66G3618 - FDD External Attachment Kit 29H9340 - Pentium 120/60 MHz upgrade 49G2167 - Car Battery Adapter 66G3541 - ThinkPad AC Adapter (50 watts) 92G7315 - 8 MB SO DIMM 3.3v non-parity EDO 92G7316 - 16 MB SO DIMM 3.3v non-parity EDO 85G1301 - ThinkPad headset				
Maximum internal disk capacity on 760C is 2.16 GB with two 1.08 GB disks. Easy-Setup is entered by holding F1 when turning on. Integrated Mwave™ DSP provides: ① Data modem function (to 28.8 Kbps) ② Fax modem function (to 14.4 Kbps) ③ Audio function (wave table synthesis) ④ Telephone function - Full duplex speakerphone ⑤ Digital Simultaneous Voice and Data				SELECTASYSYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) with selected BonusPak - IBM PC Card Director™ 3.0 - Online Users Guide - ThinkPad Features Program - Diskette Factory 1. Lotus® cc:Mail™, e-mail for IBM Global® network; 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host; 5. PRODIGY® 6. SofNet FaxWorks™ Voice™ 7. Video For Windows™ 1.1 Runtime 8. Puma TranXit™ 9. COMPEL™ PE 10. Mind Path Presentation F/X Pro 11. Internet for Windows 12. Compuserv for Win; 13. WIN32s Runtime 14. NetFinity for Windows and OS/2 - Complimentary Applications CD-ROM - Lotus SmartSuite 4.0 CD-ROM WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program - Diskette Factory 1. Lotus® cc:Mail™, e-mail for IBM Global® network; 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host; 5. PRODIGY® 6. SofNet FaxWorks™ Voice™ 7. Puma TranXit™ 8. Compuserv for Windows 9. Mind Path Presentation F/X Pro 10. COMPEL Personal Edition - Lotus SmartSuite 96 CD-ROM FEATURES OF 760 MODELS Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)				

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
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IBM ThinkPad 760CD - withdrawn

IBM® ThinkPad®:	⚡ 760CD 12.1" TFT color - CD-ROM - Enhanced Video - MPEG				ThinkPad 760CD strengths over 760C: ⇨ Mobile multimedia - MPC2 compliant ⇨ Removable, 4 x speed, 5.25" CD-ROM ⇨ Video card (acceleration, composite in/out) ⇨ Joystick/MIDI port ⇨ MPEG-1 and MPEG-2 HHR decoder																									
Processor type	Pentium® 90/60 or 120/60 (P54LM) / 64 bit to L2 cache / 32 bit to mem Processor upgrade Pentium 120/60 MHz from 90/60 L2 cache 256 KB / write-through / direct mapped / 10 ns / synchronous / soldered Removable diskette 3.5" 1.44 MB ○ / use in UltraBay or attach externally Removable CD-ROM 5.25" CD-ROM ○ / 4 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI)																													
Price	<table border="1"> <tr> <td>Type - model</td> <td>9546-U11</td> <td>9546-U1A</td> <td>9546-U13</td> <td>9546-U1C</td> </tr> <tr> <td>Preload (see side)</td> <td>SelectaSystem</td> <td>Windows 95</td> <td>SelectaSystem</td> <td>Windows 95</td> </tr> <tr> <td>Pentium speed</td> <td>90/60 Mhz</td> <td>90/60 MHz</td> <td>120/60 MHz</td> <td>120/60 MHz</td> </tr> <tr> <td>Avail / withdrawn date</td> <td>Oct 95 / Oct 96</td> <td>Oct 95 / Oct 96</td> <td>Jan 96 / Oct 96</td> <td>Jan 96 / Oct 96</td> </tr> <tr> <td>Remv disk - size / ms</td> <td colspan="4">1.2 GB / 12 ms / EIDE ○ / supports two internal disks</td> </tr> </table>				Type - model	9546-U11	9546-U1A	9546-U13	9546-U1C	Preload (see side)	SelectaSystem	Windows 95	SelectaSystem	Windows 95	Pentium speed	90/60 Mhz	90/60 MHz	120/60 MHz	120/60 MHz	Avail / withdrawn date	Oct 95 / Oct 96	Oct 95 / Oct 96	Jan 96 / Oct 96	Jan 96 / Oct 96	Remv disk - size / ms	1.2 GB / 12 ms / EIDE ○ / supports two internal disks				Integrated Mwave™ DSP provides: ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support / text to speech - MPEG audio decode ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⑤ Digital Simultaneous Voice Data
Type - model	9546-U11	9546-U1A	9546-U13	9546-U1C																										
Preload (see side)	SelectaSystem	Windows 95	SelectaSystem	Windows 95																										
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Remv disk - size / ms	1.2 GB / 12 ms / EIDE ○ / supports two internal disks																													
Display - diagonal size	12.1 inch Display - type SVGA color / 640 x 480 or 800 x 600 / 65,536 simultaneous colors Display - technology Black Matrix TFT - active matrix / 100 to 1 contrast ratio																													
Graphics - controller	Trident™ CYBER9320 with 1 MB DRAM Graphics - external External SVGA to 1024 x 768 w/ 256 colors up to 75 Hz Graph - arch/data path VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt																													
Memory - std / max	8 MB / 64 MB 70 ns / non-parity / 3.3 volt / fast page Memory - upgrade 2 sockets for two JEDEC 88 pin EDO SO DIMMs of 8 or 16 MB (acts like fast page)																													
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions) Keyboard slope Automated tilt up keyboard (5.5 degrees) Pointing / palm rest TrackPoint III™ / integrated palm rest Ext keyboard support Yes (with option cable)																													
Dimensions	11.7 x 8.3 x 2.14" (208 cubic inches) Weight (with CD-ROM) 7.47 pounds																													
Battery - type	Lithium Ion / intelligent <i>optional</i> Battery - life (1 batt) 3.1 hours <i>NiMH</i> Battery - life (2 batt) 6.2 hours Charge time - on / off 2 to 3 hrs / 1.5 to 2.5 hrs																													
Architecture	ISA (EIDE, audio, PCMCIA, diskette, serial, parallel, ext expansion, MPEG) VL-Bus 2.0 / 32 bit / 33 Mhz (graphics, ACSII)																													
Docking Station	Dock I and II Port replicator Port Replicator I and II PCMCIA™ 2.1 slots 2 Type I or 2 Type II or 1 Type III Serial / parallel ports One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Other features APM-aware BIOS / Universal AC Adapter 3 prong (35 watts) / Selectable boot																													
Motion video (below)	Video acceleration / composite and S-Video in/out / game port (ASCII V7325) MPEG decoder MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1) DSP function Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.0 Audio support 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) / Joystick/MIDI port (includes cable)																													
Jacks	Telephone / answering machine / full duplex speakerphone Infrared ports Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps																													
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock																													
Preinstalled software	Choice of two preload configurations (listed to right)																													
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in																													
Enhanced Video Card in 760CD provides:	Compatible in ThinkPad 760 family: - Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383 1.08 GB HDD II EIDE 12.5 mm 29H9319 1.2 GB HDD II (CD only) 17 mm 29H9325 - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - Port Replicator I (w/ PCMCIA) 66G3510 - Port Replicator II 66G3520 - 1.44 MB diskette std in newer 66G0108 - 2.88 MB diskette 84G1301 - PCMCIA Cartridge 41H9720 - 760 NiMH Battery (black) 29H9329 - Li-Ion Battery Pack II (gray) 29H9340 - Travel Quick Charger 85G1522 - FDD External Attachment Kit 66G3618 - Pentium 120/60 MHz upgrade 29H9340 - Car Battery Adapter 49G2167 - 8 MB SO DIMM 3.3v non-parity EDO 92G7315 - 16 MB SO DIMM 3.3v non-parity EDO 92G7316 - ThinkPad TrackPoint III Caps 39H1354 - ThinkPad headset 85G1301																													
<ul style="list-style-type: none"> - Acceleration of 'Video for Windows™ and MPEG motion video with scaling and interpolation of image. Video may be scaled up to full screen without frame rate degradation. - Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). - Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on VCR the screen of 760CD. - Mini game port for MIDI or joystick - Includes a video in and video out ports (includes two video in/out cables) - Use software called Digital Video Producer™ - Plays back MPEG motion videos, CD-I movies, video CD's, and Karaoke MPEG video titles (at 800 x 600) 	Product Map; LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																													

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ○ = Removable; ⚡ = Withdrawn from marketing

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 No warranties are expressed or implied in this summary
 (760CD) Compiled by Roger Dodson, IBM. October 1996

IBM ThinkPad 760EL - withdrawn

IBM® ThinkPad®:		≧ 760EL																																																													
		11.3" DSTN color or 12.1" TFT color - thick																																																													
Processor type	Pentium® 100/66, 120/60, or 133/66 / 64 bit to L2 cache / 64 bit to mem																																																														
Processor upgrade	to Pentium 133/66 MHz which includes 256 KB L2 cache																																																														
L2 cache	None (not separately upgradeable)																																																														
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port																																																														
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)																																																														
Removable CD-ROM	None / can upgrade to 4 x, 6 x, or 8 x CD-ROM into UltraBay																																																														
Price	<table border="1"> <tr> <td>9547-U6G</td> <td>9547-U6F</td> <td>9547-U4F</td> <td>9547-U6R</td> <td>U4S</td> <td>U4H</td> <td>U48</td> <td>Pallette 24 systems</td> </tr> <tr> <td>Win 95</td> <td>Win 95</td> <td>Win 95</td> <td>Blank(none)</td> <td>Blank(none)</td> <td>Win 95</td> <td>OS/2 Connect</td> <td>Pallette 24 systems</td> </tr> <tr> <td>May 1996</td> <td>May 1996</td> <td>May 1996</td> <td>May 1996</td> <td>May 1996</td> <td>May 1996</td> <td>July 1996</td> <td>9547-U4R</td> </tr> <tr> <td>100/66 MHz</td> <td>120/60 MHz</td> <td>120/60 MHz</td> <td>120/60 MHz</td> <td>120/60 MHz</td> <td>133/66 MHz</td> <td></td> <td>Blank (none)</td> </tr> <tr> <td>810 MB / 13 ms ○</td> <td></td> <td>1.08 GB / 13 ms ○</td> <td>810 MB</td> <td>1.08 GB</td> <td>1.08 GB / 13 ms ○</td> <td></td> <td>May 1996</td> </tr> <tr> <td>EIDE / busmaster / PCI 2.1</td> <td></td> <td>/ supports two internal disks</td> <td></td> <td></td> <td></td> <td></td> <td>133/66 MHz</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.08 GB / 13 ms ○</td> </tr> </table>							9547-U6G	9547-U6F	9547-U4F	9547-U6R	U4S	U4H	U48	Pallette 24 systems	Win 95	Win 95	Win 95	Blank (none)	Blank (none)	Win 95	OS/2 Connect	Pallette 24 systems	May 1996	May 1996	May 1996	May 1996	May 1996	May 1996	July 1996	9547-U4R	100/66 MHz	120/60 MHz	120/60 MHz	120/60 MHz	120/60 MHz	133/66 MHz		Blank (none)	810 MB / 13 ms ○		1.08 GB / 13 ms ○	810 MB	1.08 GB	1.08 GB / 13 ms ○		May 1996	EIDE / busmaster / PCI 2.1		/ supports two internal disks					133/66 MHz								1.08 GB / 13 ms ○
9547-U6G	9547-U6F	9547-U4F	9547-U6R	U4S	U4H	U48	Pallette 24 systems																																																								
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Display - size and type	11.3 inch DSTN		12.1 inch TFT	11.3 inch DSTN	12.1 inch TFT	12.1 inch TFT	12.1 inch TFT																																																								
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio			12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio																																																											
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns				810 MB = DMA Mode 2 or PIO Mode 4																																																										
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors				1.08 GB = DMA Mode 2 or PIO Mode 4																																																										
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt				1.2 GB = DMA Mode 1 or PIO Mode 3																																																										
Memory - std / max	8 MB / 72 MB or 104 MB	8 MB / 72 or 104	8 MB / 72 MB or 104 MB	16 MB / 80 MB or 104 MB	16 MB / 80 or 104 MB																																																										
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB																																																														
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)						WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ Voice™ 4. Puma TranXit™ 5. CompuServ for Windows 6. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM OS/2 WARP CONNECT PRELOAD <ul style="list-style-type: none"> - IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host; 2. Puma TranXit™ 3. NetFinity for OS/2 4. Prodigy - Lotus SmartSuite 4.0 (entitled to SSuite 96) BLANK PRELOAD <ul style="list-style-type: none"> - License for SmartSuite 																																																								
Keyboard slope	Automated tilt up keyboard (5.5 degrees)																																																														
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (with option cable)																																																														
Dimensions	11.3" models: 11.7 x 8.3 x 1.98" (192)			12.1" models: 11.7 x 8.3 x 2.14" (208)																																																											
Weight	11.3" models: 6.7 pounds (3.04 kg)			12.1" models: 7.03 pounds (3.19 kg)																																																											
Battery - type	Lithium Ion / intelligent (optional NiMH battery supported)																																																														
Battery - life (1 batt)	11.3" models: 3.1 hours			12.1" models: 3.3 hours																																																											
Battery - life (2 batt)	11.3" models: 6.2 hours			12.1" models: 6.6 hours																																																											
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs																																																														
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)																																																														
Docking Station	Dock I and II / SelectaDock I and II																																																														
Port replicator	Port Replicator I and II / SelectaDock Base Model I																																																														
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible																																																														
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																																														
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot																																																														
Video in/out	None																																																														
MPEG decoder	None																																																														
DSP function	None																																																														
Data/fax modem	None																																																														
Audio support	16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm)																																																														
Jacks	None																																																														
Telephone	None																																																														
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps																																																														
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate																																																														
Preinstalled software	Windows 95 with applications (listed on right)																																																														
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in																																																														
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option) Maximum internal disk capacity on 760EL is 4.2 GB with two 2.1 GB disks Easy-Setup is entered by holding F1 when turning on. ThinkPad 760EL supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167			Compatible in ThinkPad 760EL family: - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - Pentium 133/66 MHz/L2 upgrade 46H5991 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342				ThinkPad 760E supported disks: - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" in higher models) 69H8414 - 3.0 GB (1.96" + models) 17 mm 45H8789																																																								
FEATURES OF 760 MODELS Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)																																																															

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ○ = Removable
 ≧ Models U4F, U4H, U4R, U4S, U48 withdrawn effective January 1997; U6F eff July 1997

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 No warranties are expressed or implied in this summary
 (760EL) Compiled by Roger Dodson, IBM. June 1997

IBM ThinkPad 760EL (Fall 1996 models) - withdrawn

IBM® ThinkPad®: > 760EL	
11.3" SVGA DSTN or 12.1" SVGA TFT - thick	
Processor type	Pentium® 120/60 or 133/66 / 64 bit to L2 cache / 64 bit to memory
Processor upgrade	to Pentium 133/66 MHz which includes 256 KB L2 cache
L2 cache	None (not separately upgradeable) 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)
Removable CD-ROM	None / can upgrade to optional CD-ROM into UltraBay
Price	
Type - model	9547-U6H
Preload (see side)	Windows 95
Avail / withdrawn date	October 1996 / July 1997
Pentium speed	120/66 MHz
Remv disk - size / ms	1.35 GB / 13 ms ○
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks
Display - size and type	11.3 inch DSTN
Display - technology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA / 1 MB EDO DRAM / 70 ns
Graph - arch/data path	PCI 2.1 / external SVGA to 1024 x 768 w/ 256 colors
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt
Memory - std / max	8 MB / 72 MB or 104 MB
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 2 sockets for 2 JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)
Keyboard slope	Automated tilt up keyboard (5.5 degrees)
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (with option cable)
Dimensions	<i>11.3" models:</i> 11.7 x 8.3 x 1.98" (192) <i>12.1" models:</i> 11.7 x 8.3 x 2.0" (194)
Weight	<i>11.3" models:</i> 6.7 pounds (3.04 kg) <i>12.1" models:</i> 6.41 pounds (2.91 kg)
Battery - type	Lithium Ion / intelligent (optional NiMH battery supported)
Battery - life (1 batt)	<i>11.3" models:</i> 2.7 hours <i>12.1" models:</i> 3.0 hours
Battery - life (2 batt)	<i>11.3" models:</i> 5.4 hours <i>12.1" models:</i> 6.0 hours
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)
Docking Station	Dock I and II / SelectaDock I and II and III
Port replicator	Port Replicator I and II / SelectaDock Base Model I
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot
Video in/out	None
MPEG decoder	None
DSP function	None
Data/fax modem	None
Audio support	16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone
Jacks	Input jack (3.5 mm) / output jack (3.5 mm)
Telephone	None
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps
Security	Power-on password / Hard disk password / Supervisor password / Security keyhole (requires cable) / Security latch for keyboard and DIMMS (requires cable) / PC Card lock / Personalization / Security Plate
Preinstalled software	Windows 95 with applications (listed on right)
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in
The left bay (UltraBay™) supports:	Compatible in ThinkPad 760EL family:
① 2nd disk (requires Second HDD Adapter)	- Second HDD Adapter 29H9333
② 2nd battery	- Dock I (1 slot / 1 bay) 3545001
③ std diskette drive	- Dock II (2 slot / 2 bay) 3546001
④ 2.88 MB diskette drive (option)	- IDE Conversion Card (for Dock II) 46H5994
⑤ PCMCIA Cartridge (option)	- SelectaDock I 3547001
⑥ IBM Wireless Modem for ARDIS (option)	- SelectaDock II 3547002
⑦ IBM Wireless Modem for Cellular/CDPD (option)	- SelectaDock III 3547003
Maximum internal disk capacity on 760EL is 4.2 GB with two 2.1 GB disks	- Port Replicator I (w/ PCMCIA slots) 66G3510
Easy-Setup is entered by holding F1 when turning on.	- Port Replicator II 66G3520
810 MB = DMA Mode 2 or PIO Mode 4	- SelectaDock Base Model I 39H7405
1.08 GB = DMA Mode 2 or PIO Mode 4	- 2.88 MB diskette 66G0108
1.2 GB = DMA Mode 1 or PIO Mode 3	- PCMCIA Cartridge (one Type III) 84G1301
1.35 GB = DMA Mode 2 or PIO Mode 4	- FDD External Attachment Kit 66G3618
2.1 GB = DMA Mode 2 or PIO Mode 4	- Pentium 133/66 MHz/L2 upgrade 46H5991
Maximum is 80 MB or 104 MB on all models, but 104 MB requires a ThinkPad Proven vendor option.	- 35 watt AC Adapter (slim, 4 pin) 76H0119
	- 4 x CD-ROM (UltraBay) 39H7413
	- 6 x CD-ROM (UltraBay) 85G1957
	- 8 x CD-ROM (UltraBay) 45H8786
	- 8 - 20 x CD-ROM (UltraBay) 00K7903
	- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340
	- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341
	- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342
	- Palette of 24 systems
	9547-U4T
	Blank (none)
	October 1996 / April 1997
	133/66 MHz
	2.1 GB / 13 ms ○
	12.1 inch TFT
	12.1" SVGA color / 640 x 480, 800 x 600 / 65,536 colors
	Black Matrix TFT - active matrix / 100 to 1 contrast ratio
	Trident™ CYBER9385/64 bit SVGA/1 MB EDO DRAM/70 ns
	PCI 2.1 / external SVGA to 1024 x 768 w/ 256 colors
	16 MB / 80 MB or 104 MB
	32 MB /80 MB or 104 MB
	1 socket available
	WINDOWS 95 PRELOAD
	- Microsoft Windows 95
	- Online User's Guide
	- ThinkPad Features
	- PC Card Director 4.0
	- Diskette Factory
	1. Triton CoSession™ Host
	2. Puma TranXit™
	3. Compuserv for Windows
	4. NetFinity for Windows 95
	- Lotus SmartSuite 96 CD-ROM
	WINDOWS NT 4.0 PRELOAD
	- Microsoft Windows NT 4.0 Workstation with utilities and device drivers
	NT model with 32 MB consists of 8 MB on planar, 8 MB in memory carrier, and 16 MB via a SO-DIMM. One SO-DIMM socket is available.
	BLANK PRELOAD
	- License for SmartSuite
	ThinkPad 760EL supported batteries:
	- 760 NiMH Battery (black) 41H9720
	- Li-Ion Battery Pack II (gray) 29H9329
	- Travel Quick Charger 85G1522
	- Car Battery Adapter 49G2167
	ThinkPad 760E supported disks:
	- (360/750/755 IDE disks not supported)
	- 720 MB HDD II EIDE 12.5 mm 29H9383
	- 810 MB HDD II EIDE 12.5 mm 29H9313
	- 1.08 GB HDD II EIDE 12.5 mm 29H9319
	- 1.2 GB (1.96"+ models) 17 mm 29H9325
	- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412
	- 2.1 GB (1.96"+ models) 17 mm 69H8414
	- 3.0 GB (1.96"+ models) 17 mm 45H8789
	FEATURES OF 760 MODELS
	Setup Pointer (single page)
	LCD indicator panel
	Plug and Play 1.0a
	Discharge battery via mouse click
	Non-disruptive battery exchange
	Standby, suspend, safe suspend, and hibernation modes
	US EPA Energy Star compliant
	Personalized nameplate in indentation
	Personalization screen at startup
	International Warranty Service
	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support
	IBM and dealer warranty/service
	Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
○ = Removable

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(760EL96) Compiled by Roger Dodson, IBM. October 1997

IBM ThinkPad 760ELD - withdrawn

IBM® ThinkPad®: ➤ 760ELD 12.1" TFT color - CD-ROM			
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 100/66 (P54LM) / 64 bit to L2 cache / 64 bit to memory to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable) 3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618) 5.25" CD-ROM ○ / 4 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices	WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host; 2. PRODIGY® 3. SofNet FaxWorks™ Fax 4. Puma TranXit™ 5. CompuServe for Windows 6. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM 	
Price Type - model Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller	9547-U3F Windows 95 May 1996 / 1997 810 MB / 13 ms ○ / DMA Mode 2 or PIO Mode 4 Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks		
Display - size and type Display - technology	12.1 inch SVGA color / 640 x 480 or 800 x 600 / 65,536 simultaneous colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio		
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns PCI 2.1 / 32 bit Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1024 x 768 with 256 colors		
Memory - std / max Memory - upgrade	8 MB / 72 MB 70 ns / non-parity / 3.3 volt / EDO 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB		
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fn key functions) Automated tilt up keyboard (5.5 degrees) TrackPoint III™ / integrated palm rest / ext keyboard support (w/ option cable)		
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 2.14" (208 cubic inches) 7.28 pounds (3.30 kg)		
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent <i>optional</i> 3.2 hours <i>NiMH</i> 6.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs		<div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 10px;"> Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery </div> <p>Easy-Setup is entered by holding F1 when turning on.</p> <p>810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3</p> <p>ThinkPad 760 ELD supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96" or higher models) 00K7902</p> <p>ThinkPad 760E supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167</p> <p>FEATURES OF 760 MODELS</p> <p>Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion) Dock I and II / SelectaDock I, II and III Port Replicator I and II / SelectaDock Base Model I 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot		
Video in/out MPEG decoder DSP function Data/fax modem Audio support	None None None None 16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone		
Jacks Telephone Infrared ports	Input jack (3.5 mm) / Output jack (3.5 mm) None Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps		
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate		
Preinstalled software Warranty	Windows 95 with applications (listed on right) 3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
The left bay (UltraBay™) supports: ① 2nd disk ② 2nd battery ③ std diskette drive ④ CD-ROM ⑤ 2.88 MB diskette (option) ⑥ PCMCIA Cartridge (option) ⑦ IBM Wireless Modem ARDIS (option) ⑧ IBM Wireless Modem for Cellular/ CDPD (option)	Compatible in ThinkPad 760ELD family: - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - Pentium 133/66 MHz/L2 upgrade 46H5991 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342		
All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay. Maximum internal disk capacity on 760ELD is 2.4 GB with two 1.2 GB disks.			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
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(760ELD) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 760E (SVGA) - withdrawn

IBM® ThinkPad®:	760E	760E	Key differences between 760E and 760ED:	
Processor type	Pentium® 120/60 or 133/66 (P54LM) / 64 bit to L2 cache / 64 bit to mem		760E	760ED
Processor upgrade	to Pentium 133/66 MHz from 120/60		No std CD-ROM	Standard CD-ROM
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst		No video in/out	Video in/out and cable
Removable diskette	3.5" 1.44 MB ○ / in UltraBay		No joystick/MIDI port	Joystick/MIDI port
External FDD port	External FDD port		No MPEG decoder	MPEG decoder
Removable CD-ROM	None / upgrade CD-ROM		Lighter	Heavier
Price	Pallet of 24		Price	Price
Type - model	9546-U3B	9546-U3L		
Preload (see side)	Windows 95	Blank		
Avail / withdrawn date	May 1996 / Jan 1997	May 1996 / Jan 1997		
Pentium speed	120/60 MHz	120/60 MHz		
Remv disk - size / ms	1.2 GB / 12 ms ○	810 MB / 13 ms ○		
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks			
Display - size and type	12.1 inch SVGA color / 640 x 480 or 800 x 600 / 65,536 simultaneous colors			
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio			
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns			
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors			
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt			
Memory - std / max	8 MB / 72 MB or 104 MB	8 MB / 72 MB or 104 MB	16 MB / 80 or 104 MB	
Memory - features	70 ns / non-parity / 3.3 volt / EDO			
Memory - upgrade	2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB			
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)			
Keyboard slope	Automated tilt up keyboard (5.5 degrees)			
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (w/ optional cable)			
Dimensions	11.7 x 8.3 x 2.14" (208)	11.7 x 8.3 x 1.92" (186 cubic inches)		
Weight	7.06 pounds (3.20 kg)	6.76 pounds (3.07 kg)		
Battery - type	Lithium Ion / intelligent	<i>optional NiMH</i>	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery (thick models support CD-ROM)	
Battery - life (1 batt)	3.4 hours			
Battery - life (2 batt)	6.8 hours			
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs			
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion)			
Docking Station	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)			
Port replicator	Dock I and II / SelectaDock I and II			
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible			
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)			
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot			
Video in/out	None			
MPEG decoder	None			
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function			
Data/fax modem	Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.1			
Audio support	16 bit audio chip on planar with Mwave DSP			
Jacks	Int stereo speakers / .5 watt / slide volume control / internal microphone			
Telephone	Input jack (3.5 mm) / Output jack (3.5 mm)			
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps			
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate			
Preinstalled software	Windows 95 with applications (listed on right)			
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in			
<p>The left bay (UltraBay™) supports:</p> <ul style="list-style-type: none"> ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option) <p>Maximum internal disk capacity on 760E is 4.2 GB with two 2.1 GB disks (thick models) or 2.8 GB with two 1.4 GB disks (thin models)</p> <p>Easy-Setup is entered by holding F1 when turning on.</p> <p>Integrated Mwave™ DSP provides:</p> <ul style="list-style-type: none"> ① Data modem function (to 28.8 Kbps) ② Fax modem function (to 14.4 Kbps) ③ Audio function (wave table synthesis) ④ Telephone function - Full duplex speakerphone ⑤ Digital Simultaneous Voice and Data 		<p>Compatible in ThinkPad 760E family:</p> <ul style="list-style-type: none"> - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - Pentium 133/66 MHz/L2 upgrade 46H5991 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (for thick model) 39H7413 - 6 x CD-ROM (for thick model) 85G1957 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 		
		<p>Easy-Setup is entered by holding F1 when turning on.</p> <p>810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3</p> <p>Memory is upgradeable to 104 MB with a ThinkPad Proven option.</p> <p>ThinkPad 760E supported batteries:</p> <ul style="list-style-type: none"> - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 <p>ThinkPad 760E supported disks:</p> <ul style="list-style-type: none"> - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414 		
		<p>FEATURES OF 760 MODELS</p> <ul style="list-style-type: none"> Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) 		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
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(760E) Compiled by Roger Dodson, IBM. December 1996

IBM ThinkPad 760E (XGA) - withdrawn

IBM® ThinkPad®: > 760E 12.1" XGA color - thick		Key differences between 760E and 760ED:	
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 150/60 (P54CSLM) / 64 bit to L2 cache / 64 bit to memory None 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB ○ / in UltraBay External FDD port (requires External FDD Attachment Kit 66G3618) None / can upgrade with optional CD-ROM into UltraBay	760E No std CD-ROM No video in/out No joystick/MIDI port No MPEG decoder Lighter Price	760ED Standard CD-ROM Video in/out and cable Joystick/MIDI port MPEG decoder Heavier Price
Price Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9B Windows 95 2.1 GB / 12 ms ○ EIDE / busmaster / PCI 2.1 / supports two internal disks (so 4.2 GB max) October 1996 / October 1997	WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. SofNet FaxWorks™ Voice™ 3. Puma TranXit™ 4. Compuserv for Windows 5. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM	
Display - size and type Display - technology	12.1 inch XGA color / 640 x 480, 800 x 600, or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio		
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EndIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors		
Memory - std / max Memory - features Memory - upgrade	16 MB / 80 MB (104 MB with ThinkPad Proven option) 70 ns / non-parity / 3.3 volt / EDO 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB		
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fn key functions) Automated tilt up keyboard (5.5 degrees) TrackPoint III™ / integrated palm rest / ext keyboard support (w/ optional cable)		
Dimensions Weight	11.7 x 8.3 x 2.0" (194 cubic inches) 6.41 pounds (2.91 kg)		
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent <i>optional</i> 2.6 hours <i>NiMH</i> 5.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery (thick models support CD-ROM)	
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion) Dock I and II / SelectaDock I and II and III Port Replicator I and II / SelectaDock Base Model I 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot	Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4	
Video in/out MPEG decoder DSP function Data/fax modem Audio support	None None Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 2.1 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone	ThinkPad 760E supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167	
Jacks Telephone Infrared ports	Input jack (3.5 mm) / Output jack (3.5 mm) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps	ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902	
Security Preinstalled software Warranty	Power-on password / Hard disk password / Supervisor password / Security keyhole / Security latch for keyboard and DIMMS (requires cable lock) / PC Card lock / Personalization / Security Plate Windows 95 with applications (listed on right) 3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	Security Power-on password / Hard disk password / Supervisor password / Security keyhole / Security latch for keyboard and DIMMS (requires cable lock) / PC Card lock / Personalization / Security Plate	
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option) Maximum internal disk capacity on 760E is 10.2 GB with two 5.1 GB disks Easy-Setup is entered by holding F1 when turning on. Integrated Mwave™ DSP provides: ① Data modem function (to 28.8 Kbps) ② Fax modem function (to 14.4 Kbps) ③ Audio function (wave table synthesis) ④ Telephone function - Full duplex speakerphone ⑤ Digital Simultaneous Voice and Data	Compatible in ThinkPad 760E family: - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8 - 20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342	FEATURES OF 760 MODELS Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
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 (760E96) Compiled by Roger Dodson, IBM. October 1997

IBM ThinkPad 760ED (SVGA) - withdrawn

IBM® ThinkPad®:	➤ 760ED 12.1" SVGA TFT - 4 x CD-ROM - Enhanced Video - MPEG		ThinkPad 760ED strengths over 760CD: ➤ Pentium 133/66 MHz (vs 120/60 MHz) ➤ PCI bus (vs VL-Bus) ➤ 16 MB EDO memory (vs 8 MB fast page) ➤ 64 bit path to memory (vs 32 bit) ➤ 9385 64 bit graphics with 2 MB EDO ➤ CardBus PC Card support (32 bit PCI)
Processor type	Pentium® 133/66 (P54CSLM) / 64 bit to L2 cache / 64 bit to memory		
Processor upgrade	None		
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst		
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port		
External FDD port	External FDD port (requires External FDD Attachment Kit 66G3618)		
Removable CD-ROM	5.25" CD-ROM ○ / 4 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices		
Type - model	9546-U3A		
Preload (see side)	Windows 95		
Remv disk - size / ms	1.2 GB / 12 ms ○ / DMA Mode 1 or PIO Mode 3		
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks		
Avail / withdrawn date	May 1996 / January 1997		
Display - size and type	12.1 inch SVGA color / 640 x 480 or 800 x 600 / 262,166 simultaneous colors		
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio		
Graphics - controller	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support		
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt		
Graphics - external	External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors		
Memory - std / max	16 MB / 80 MB (104 MB with ThinkPad Proven option) 70 ns / non-parity / 3.3v		
Memory - upgrade	2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB		
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)		
Keyboard slope	Automated tilt up keyboard (5.5 degrees)		
Pointing / palm rest	TrackPoint III™ / integrated palm rest		
Ext keyboard support	Yes (with option cable)		
Dimensions	11.7 x 8.3 x 2.14" (208 cubic inches)		
Weight (with CD-ROM)	7.38 pounds (3.35 kg)		
Battery - type	Lithium Ion / intelligent	<i>optional NiMH</i>	
Battery - life (1 batt)	2.8 hours		
Battery - life (2 batt)	5.6 hours		
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs		
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion)		
Docking Station	Dock I and II / SelectaDock I and II		
Port replicator	Port Replicator I and II / SelectaDock Base Model I and II		
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot		
Video in/out	Composite and S-Video in/out / game port		
MPEG decoder	MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1)		
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function		
Data/fax modem	Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.1		
Audio support	16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) / Joystick/MIDI port (includes cable)		
Jacks	Telephone / answering machine / full duplex speakerphone / DSVD		
Telephone	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps		
Infrared ports			
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMs (requires Kensington) / PC Card lock / Personalization / Security Plate		
Preinstalled software	Windows 95 with applications (listed on right)		
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
Enhanced Video Card in 760ED provides: - Composite in and S-Video in (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay. - Composite out and S-Video out to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad. - Mini game port for MIDI or joystick - Includes video in and video out ports (includes one video in/out cable) - Use software called Digital Video Producer™ - Hardware acceleration of Video for Windows™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been integrated into the 9385 graphics controller; interpolation in X and Y axis; color space conversion when DCI enabled - Plays back MPEG motion videos, CD-I movies, video CDs, and Karaoke MPEG video titles (at 640 x 480, 800 x 600, or externally at 1024 x 768)			
Compatible in ThinkPad 760ED family: - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342			
ThinkPad 760ED strengths over 760CD: ➤ Pentium 133/66 MHz (vs 120/60 MHz) ➤ PCI bus (vs VL-Bus) ➤ 16 MB EDO memory (vs 8 MB fast page) ➤ 64 bit path to memory (vs 32 bit) ➤ 9385 64 bit graphics with 2 MB EDO ➤ CardBus PC Card support (32 bit PCI)			
Integrated Mwave™ DSP provides: ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support / text to speech - MPEG audio decode ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⑤ Digital Simultaneous Voice Data			
WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host; 2. PRODIGY® 3. SofNet FaxWorks™ Voice™ 4. Puma TranXit™ 5. Compuserv for Windows 6. NetFinity for Windows 95 7. Asymetrix® Digital Video Producer™ 8. MPEG Sampler (CD-ROM) - Lotus SmartSuite 96 CD-ROM			
Easy-Setup is entered by holding F1 when turning on. ThinkPad 760ED supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167			
ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414			
FEATURES OF 760 MODELS Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 ○ = Removable

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 (760ED) Compiled by Roger Dodson, IBM. December 1996

IBM ThinkPad 760ED (XGA) - withdrawn

IBM® ThinkPad®:	➤ 760ED	
	12.1" XGA TFT - 6 x CD-ROM - Enhanced Video - MPEG	
Processor type	Pentium® 133/66 (P54CSLM) / 64 bit to L2 cache / 64 bit to memory	
Processor upgrade	None	
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst	
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port	
External FDD port	External FDD port (includes Floppy Disk Drive Enclosure)	
Removable CD-ROM	5.25" CD-ROM ○ / 6 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices	
Type - model	9546-U9A	
Preload (see side)	Windows 95	
Remv disk - size / ms	2.1 GB / 12 ms ○ / DMA Mode 2 or PIO Mode 4	
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 4.2 GB	
Avail / withdrawn date	October 1996 / October 1997	
Display - size and type	12.1 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors	
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support	
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt	
Graphics - external	External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	
Memory - std / max	16 MB / 80 MB (104 MB w/ ThinkPad Proven option) 70 ns / non-parity / 3.3v / EDO	
Memory - upgrade	2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB	
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)	
Keyboard slope	Automated tilt up keyboard (5.5 degrees)	
Pointing / palm rest	TrackPoint III™ / integrated palm rest	
Ext keyboard support	Yes (with option cable)	
Dimensions	11.7 x 8.3 x 2.0" (194 cubic inches)	
Weight (with CD-ROM)	6.65 pounds (3.02 kg)	
Battery - type	Lithium Ion / intelligent	<i>optional</i>
Battery - life (1 batt)	2.2 hours	<i>NiMH</i>
Battery - life (2 batt)	4.4 hours	
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs	
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion)	
Docking Station	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion)	
Port replicator	Dock I and II / SelectaDock I and II and III	
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot	
Video in/out	Composite and S-Video in/out / game port	
MPEG decoder	MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1)	
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function	
Data/fax modem	Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 2.1	
Audio support	16 bit audio chip on planar with Mwave DSP	
Jacks	Int stereo speakers / .5 watt / slide volume control / internal microphone	
Telephone	Input jack (3.5 mm) / Output jack (3.5 mm) / Joystick/MIDI port (includes cable)	
Infrared ports	Telephone / answering machine / full duplex speakerphone / DSVD	
Security	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps	
Preinstalled software	Power-on password / Hard disk password / Supervisor password / Security keyhole (requires cable) / Security latch for keyboard and DIMMS (requires cable) / PC Card lock / Personalization / Security Plate	
Warranty	Windows 95 with applications (listed on right)	
Enhanced Video Card in 760ED provides:	Compatible in ThinkPad 760ED family:	
- Composite in and S-Video in (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay.	- Second HDD Adapter 29H9333	
- Composite out and S-Video out to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad.	- Dock I (1 slot / 1 bay) 3545001	
- Mini game port for MIDI or joystick	- Dock II (2 slot / 2 bay) 3546001	
- Includes video in and video out ports (includes one video in/out cable)	- IDE Conversion Card (for Dock I/II) 46H5994	
- Use software called Digital Video Producer™	- SelectaDock I 3547001	
- Hardware acceleration of Video for Windows™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been integrated into the 9385 graphics controller; interpolation in X and Y axis; color space conversion when DCI enabled	- SelectaDock II 3547002	
- Plays back MPEG motion videos, CD-I movies, video CD's, and Karaoke MPEG video titles	- SelectaDock III 3547003	
	- Port Replicator I (w/ PCMCIA slots) 66G3510	
	- Port Replicator II 66G3520	
	- SelectaDock Base Model I 39H7405	
	- 2.88 MB diskette drive 66G0108	
	- PCMCIA Cartridge (one Type III) 84G1301	
	- FDD External Attachment Kit 66G3618	
	- 35 watt AC Adapter (slim, 4 pin) 76H0119	
	- 4 x CD-ROM (UltraBay) 39H7413	
	- 6 x CD-ROM (UltraBay) 85G1957	
	- 8 x CD-ROM (UltraBay) 45H8786	
	- 8 - 20 x CD-ROM (UltraBay) 00K7903	
	- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340	
	- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341	
	- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342	

ThinkPad 760ED strengths over 760CD:

- **Pentium 133/66 MHz** (vs 120/60 MHz)
- **PCI bus** (vs VL-Bus)
- **16 MB EDO memory** (vs 8 MB fast page)
- **64 bit path to memory** (vs 32 bit)
- **9385 64 bit graphics with 2 MB EDO**
- **CardBus PC Card support (32 bit PCI)**

Integrated Mwave™ DSP provides:

- ① **Data modem function**
- V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)
- ② **Fax modem function**
- G3 fax send/receive (14.4 Kbps)
- ③ **Audio function**
- Stereo waveform record and playback
- Qsound support (3-D effect)
- 32 voice MIDI wave table synthesizer
- SoundBlaster™ support / text to speech
- MPEG audio decode
- ④ **Telephone function**
- Full telephone (can use opt headset)
- Telephone answering machine
- Full duplex speakerphone
- ⑤ **Digital Simultaneous Voice Data**

WINDOWS 95 PRELOAD

- Microsoft Windows 95
- Online User's Guide
- ThinkPad Features
- PC Card Director 4.0
- Diskette Factory
- 1. Triton CoSession™ Host
- 2. SofNet FaxWorks™ Voice™
- 3. Puma TranXit™
- 4. Compuserver for Windows
- 5. NetFinity for Windows 95
- 6. Asymetrix® Digital Video Producer™
- 7. MPEG Sampler (CD-ROM)
- Lotus SmartSuite 96 CD-ROM

Easy-Setup is entered by holding F1 when turning on.

ThinkPad 760ED supported batteries:

- 760 NiMH Battery (black) 41H9720
- Li-Ion Battery Pack II (gray) 29H9329
- Travel Quick Charger 85G1522
- Car Battery Adapter 49G2167

ThinkPad 760ED supported disks:

- (360/750/755 IDE disks not supported)
- 720 MB HDD II EIDE 12.5mm 29H9383
- 810 MB HDD II EIDE 12.5 mm 29H9313
- 1.08 GB HDD II EIDE 12.5mm 29H9319
- 1.2 GB (1.96"+ models) 17 mm 29H9325
- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412
- 2.1 GB (1.96"+ models) 17 mm 69H8414
- 3.0 GB (1.96"+ models) 17 mm 45H8789
- 5.1 GB (1.96"+ models) 17 mm 00K7902

FEATURES OF 760 MODELS

Setup Pointer (single page)

LCD indicator panel

Plug and Play 1.0a

Discharge battery via mouse click

Non-disruptive battery exchange

Standby, suspend, safe suspend, and hibernation modes

US EPA Energy Star compliant

Personalized nameplate in indentation

Personalization screen at startup

International Warranty Service

24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support

IBM and dealer warranty/service

Online Housecall (remote diagnostics)

IBM ThinkPad 760XL - withdrawn

IBM® ThinkPad®: ➤ 760XL 12.1" SVGA TFT - thick		
Processor type	Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory	WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features - Diskette Factory 1. Lotus Organizer 2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95 5. Triton CoSession™ Host 6. IntelliLink Connect 7. IBM AntiVirus 8. IBM Internet Connection Services with Netscape Navigator web browser 9. Registration Mailer - Lotus SmartSuite 96 CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation) WINDOWS NT 4.0 PRELOAD Microsoft Windows NT 4.0 Workstation with utilities and device drivers
Processor upgrade	None	
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst	
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port	
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)	
Removable CD-ROM	None / can upgrade to 4 x, 6 x, 8 x, or 8-20 x CD-ROM into UltraBay	
Type - model (code)	9547-U9C (Michigan MMX) 9547-U9K (Michigan MMX)	
Preload (see side)	Windows 95 OSR2 Windows NT Workstation 4.0	
Avail / withdrawn date	April 1997 / January 1998 April 1997 / January 1998	
Remv disk - size / ms	2.1 GB / 13 ms ○ / DMA Mode 2 or PIO Mode 4	
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks	
Display - size and type	12.1 inch SVGA color / 640 x 480, 800 x 600 / 65,536 simultaneous colors	
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller	Trident™ CYBER9385 / 64 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / 32 bit / DCI, DirectDraw, ENVIDE support	
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt	
Graphics - external	External SVGA to 1024 x 768 with 256 colors	
Memory - std / max	16 MB / 104 MB 32 MB / 104 MB	
Memory - sockets avail	2 sockets available 1 socket available (1 socket uses 16 MB)	
Memory - features	70 ns / non-parity / 3.3 volt / EDO / supports JEDEC 144 pin SO-DIMMs 8 MB in system; 8 MB on memory module with 2 SO-DIMM sockets Memory module under disk (not removable) and accessible by opening keyboard If use 64 MB SO-DIMM, the 8 MB on memory module is disabled via switch	
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)	
Keyboard slope	Automated tilt up keyboard (5.5 degrees)	
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (with option cable)	
Dimensions	11.7 x 8.3 x 2.14" (208)	
Weight	6.7 pounds (3.05 kg)	
Battery - type	Lithium Ion / intelligent (optional NiMH battery supported)	
Battery - life (1 batt)	2.3 hours (4.6 hours with 2 batteries)	
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs	
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 MHz (EIDE, graphics, CardBus, ext expansion) Intel Mobile Triton 82430MX PCiset / T1 PCI1130 for CardBus	
Docking Station	Dock I and II / SelectaDock I and II	
Port replicator	Port Replicator I and II / SelectaDock Base Model I	
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot	
Video in/out	None	
MPEG decoder	None	
DSP function	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / output jack (3.5 mm)	
Jacks	None	
Telephone	None	
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps	
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate	
Warranty	3 year - ThinkPad EasyServ (depot repair service) or carry-in	
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ Standard diskette drive ④ 2.88 MB diskette drive ⑤ CD-ROM Maximum internal disk capacity on 760XL is 10.2 GB with two 5.1 GB disks Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.0 GB = DMA Mode 2 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4		OPTIONS <ul style="list-style-type: none"> - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette 66G0108 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268
ThinkPad 760XL supported batteries: <ul style="list-style-type: none"> - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 		
ThinkPad 760 supported disks: <ul style="list-style-type: none"> - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902 		
FEATURES OF 760 MODELS Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

○ = Removable

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 (760XL) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 760XD - withdrawn

IBM® ThinkPad®:	➤ 760XD 12.1" XGA TFT - 8 x CD-ROM - Enhanced Video - MPEG		WINDOWS 95 PRELOAD
Processor type	Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory		<ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - Diskette Factory Utilities 1. Lotus Organizer 2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95 5. Triton CoSession™ Host 6. SofNet FaxWorks™ Voice 7. Asymetrix® Digital Video Producer 8. IntelliLink Connect 9. IBM AntiVirus 10. IBM Internet Connection Services with Netscape Navigator web browser 11. Registration Mailer - MPEG Sampler CD-ROM - Lotus SmartSuite 96 CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Processor upgrade	None		
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst		
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port		
External FDD port	External FDD port (includes Floppy Disk Drive Enclosure)		
Removable CD-ROM	5.25" CD-ROM ○ / 8 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices		
Type - model (code)	9546-U9E (Michigan MMX)		
Preload (see side)	Windows 95 OSR2		
Remv disk - size / ms	3.0 GB / 12 ms ○ / DMA Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB)		
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 10.2 GB		
Avail / withdrawn date	April 1997 / January 1998		
Display - size and type	12.1 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors		
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio		
Graphics - controller	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns		
Graph - arch/data path	PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support		
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt		
Graphics - external	External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors		
Memory - std / max	32 MB / 104 MB 70 ns / non-parity / 3.3v / EDO		
Memory - upgrade	1 socket avail for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB		
Mem - implementation	8 MB in system; 8 MB on memory module; 16 MB DIMM in 1 socket; 1 socket avail Memory module under disk (not removable) and accessible by opening the keyboard		
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)		
Keyboard slope	Automated tilt up keyboard (5.5 degrees)		
Pointing / palm rest	TrackPoint III™ / integrated palm rest		
Ext keyboard support	Yes (with option cable)		
Dimensions / weight	11.7 x 8.3 x 2.0" (194 cubic inches) / 7.0 pounds (3.18 kg) with CD-ROM		
Battery - type	Lithium Ion / intelligent	<i>optional NiMH</i>	Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery
Battery - life (1 batt)	2.0 hours (4 hrs with 2 batt)		
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs		
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion) Intel Mobile Triton 82430MX PCiset / T1 PCI1130 for CardBus		
Port replicator	Port Replicator I and II / SelectaDock Base Model I		
Docking Station	Dock I and II / SelectaDock I and II and III		
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot		
Video in/out	Composite and S-Video in/out / game port		
MPEG decoder	MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1)		
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function		
Data/fax modem	Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave		
Audio support	16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) / Joystick/MIDI port (includes cable)		
Jacks	Telephone / answering machine / full duplex speakerphone / DSVD		
Telephone	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps		
Infrared ports			
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate		
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
Enhanced Video Card in 760XD provides:	<p>OPTIONS</p> <ul style="list-style-type: none"> - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - Other options from ThinkPad Proven partners 		
- Composite in and S-Video in (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay.			
- Composite out and S-Video out to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad.			
- Mini game port for MIDI or joystick			
- Includes video in and video out ports (includes one video in/out cable)			
- Use software called Digital Video Producer™			
- Hardware acceleration of Video for Windows™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been integrated into the 9385 graphics controller; interpolation in X and Y axis; color space conversion			
- Plays back MPEG motion videos, CD-I movies, video CD's, and Karaoke MPEG video titles			
	<p>FEATURES OF 760 MODELS</p> <p>Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)</p>		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
○ = Removable

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(760XD) Compiled by Roger Dodson, IBM. December 1997

IBM ThinkPad 765L

IBM® ThinkPad®:	765L 13.3" XGA TFT	
Processor type	Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory	WINDOWS 95 PRELOAD <ul style="list-style-type: none"> - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features - Diskette Factory 1. Lotus Organizer 2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95 5. Triton CoSession™ Host 6. IntelliLink Connect 7. IBM AntiVirus 8. IBM Internet Connection Services with Netscape Navigator web browser 9. Registration Mailer 10. ThinkPad on the NET 11. America Online - Lotus SmartSuite 96 CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Processor upgrade	None	
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst	
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port	
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)	
Removable CD-ROM	None / can upgrade to 4 x or 6 x or 8 x CD-ROM into UltraBay	
Type - model (code)	9547-U9J (Michigan 13)	
Preload (see side)	Windows 95 OSR2	
Available date	June 1997	
Remv disk - size / ms	3.0 GB / 12 ms ○ / DMA Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB)	
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks / SMART	
Display - size and type	13.3 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors	
Display - techology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns	
Graph - arch/data path	PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support	
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt	
Graphics - external	External SVGA to 1024 x 768 with 256 colors	
Memory - std / max	32 MB / 104 MB	
Memory - sockets avail	1 socket available (1 socket uses 16 MB)	
Memory - features	70 ns / non-parity / 3.3 volt / EDO / supports JEDEC 144 pin SO-DIMMs 8 MB in system; 8 MB on memory module with 2 SO-DIMM sockets Memory module under disk (not removable) and accessible by opening keyboard If use 64 MB SO-DIMM, the 8 MB on memory module is disabled via switch	
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)	
Keyboard slope	Automated tilt up keyboard (5.5 degrees)	
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (with option cable)	
Dimensions	11.7 x 9.3 x 2.23" (243 cubic inches)	
Weight	7.4 pounds (3.34 kg)	
Battery - type	Lithium Ion / intelligent (<i>optional NiMH battery supported</i>)	
Battery - life (1 batt)	2.1 hours (4.2 hours with 2 batteries)	
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs	
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 MHz (EIDE, graphics, CardBus, ext expansion) Intel Mobile Triton 82430MX PCiset / T1 PCI1130 for CardBus	
Docking Station	SelectaDock I and II and III	
Port replicator	Port Replicator I and II / SelectaDock Base Model I	
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	
Other features	APM-aware BIOS / AC Adapter 4 pin 3 prong (56 watts) / Selectable boot	
Video in/out	None	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options
MPEG decoder	None	
DSP function	None	
Data/fax modem	None	
Audio support	16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone	
Jacks	Input jack (3.5 mm) / output jack (3.5 mm)	
Telephone	None	
Infrared ports	Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps	
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate	
Warranty	3 year - ThinkPad EasyServ (depot repair service) or carry-in	
Service options	On-site, M-F, 8-5, next bus day (71 cities) / Warranty extension to 5 years	
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ Standard diskette drive ④ 2.88 MB diskette drive ⑤ CD-ROM Maximum internal disk capacity on 765L is 10.2 GB with two 5.1 GB disks Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.0 GB = DMA Mode 2 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4		OPTIONS <ul style="list-style-type: none"> - Second HDD Adapter 29H9333 - IDE Conversion Card (for Dock II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette 66G0108 - FDD External Attachment Kit 66G3618 - 56 watt AC Adapter (4 pin; 3 prong) 12J2456 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - PCMCIA 33.6 Kbps modem w/ XJACK 55H6759 - 56K PC Card Modem Kit 04K0052
ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ○ = Removable		ThinkPad 765L supported batteries: <ul style="list-style-type: none"> - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 ThinkPad 760 supported disks: <ul style="list-style-type: none"> - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902
FEATURES OF 765 MODELS Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service IBM System Care Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

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IBM ThinkPad 765D

IBM® ThinkPad®: 765D Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	13.3" XGA TFT - 8 x CD-ROM - Enhanced Video - MPEG Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory None 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port External FDD port (includes Floppy Disk Drive Enclosure) 5.25" CD-ROM ○ / 8 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - Diskette Factory Utilities 1. Lotus Organizer 2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95 5. Triton CoSession™ Host 6. SofNet FaxWorks™ Voice 7. Asymetrix® Digital Video Producer 8. IntelliLink Connect 9. IBM AntiVirus 10. IBM Internet Connection Services with Netscape Navigator web browser 11. Registration Mailer 12. ThinkPad on the NET 13. America Online - MPEG Sampler CD-ROM - Lotus SmartSuite 96 CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Type - model (code) Preload (see side) Remv disk - size / ms Disk controller Available date	9546-U9H (Michigan 13) Windows 95 OSR2 3.0 GB / 12 ms ○ / DMA Mode 2 or PIO Mode 4 / SMART Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 10.2 GB June 1997 (C: is 1.99 GB, D: is 885 MB)	
Display - size and type Display - technology Graphics - controller Graph - arch/data path Graphics - features Graphics - external	13.3 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	
Memory - std / max Memory - upgrade Mem - implementation	32 MB / 104 MB 70 ns / non-parity / 3.3v / EDO 1 socket avail for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB 8 MB in system; 8 MB on memory module; 16 MB DIMM in 1 socket; 1 socket avail Memory module under disk (not removable) and accessible by opening the keyboard	
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fn key functions) Automated tilt up keyboard (5.5 degrees) TrackPoint III™ / integrated palm rest Yes (with option cable)	The left bay (UltraBay™) supports: ① 2nd disk; ② 2nd battery ③ std diskette drive; ④ std CD-ROM ⑤ 2.88 MB diskette
Dimensions / weight Battery - type Battery - life (1 batt) Charge time - on / off	11.7 x 9.3 x 2.23" (243 cubic inches) / 7.7 pounds (3.49 kg) with CD-ROM Lithium Ion / intelligent <i>optional NiMH</i> 2.0 hours (4 hrs with 2 batt) 2 to 3 hrs / 1.5 to 2.5 hrs	Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery
Architecture Port replicator Docking Station PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion) Intel Mobile Triton 82430MX PCIsset / TI PCI1130 for CardBus Port Replicator I and II / SelectaDock Base Model I SelectaDock I and II and III 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / AC Adapter 4 pin 3 prong (56 watts) / Selectable boot	Integrated Mwave DSP provides: ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster support / text to speech - MPEG audio decode ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ⑤ Digital Simultaneous Voice Data
Video in/out MPEG decoder DSP function Data/fax modem Audio support	Composite and S-Video in/out / game port MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1) Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.21 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) / Joystick/MIDI port (includes cable) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 1.15 Mbps	Easy-Setup is entered by holding F1 when turning on. ThinkPad 765D supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 ThinkPad 765 supported disks: - 720 MB HDD II EIDE 12.5mm 29H9383 - 810 MB HDD II EIDE 12.5mm 29H9313 - 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902
Jacks Telephone Infrared ports	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate	
Warranty Service Options	3 year - ThinkPad EasyServ (depot repair service) or carry-in On-site, M-F, 8-5, next bus day (71 cities) / Warranty extension to 5 years	
Enhanced Video Card in 765D provides: - Composite in and S-Video in (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay. - Composite out and S-Video out to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad. - Mini game port for MIDI or joystick - Includes video in and video out ports (includes one video in/out cable) - Use software called Digital Video Producer™ - Hardware acceleration of Video for Windows™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been integrated into the 9385 graphics controller; interpolation in X and Y axis; color space conversion - Plays back MPEG motion videos, CD-I movies, video CD's, and Karaoke MPEG video titles	OPTIONS - Second HDD Adapter 29H9333 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - FDD External Attachment Kit 66G3618 - 56 watt AC Adapter (4 pin; 3 prong) 12J2456 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - PCMCIA 33.6 Kbps modem XJACK 55H6759 - 56K PC Card Modem Kit 04K0052	FEATURES OF 765 MODELS Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service IBM System Care Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).
 ○ = Removable

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 (765D) Compiled by Roger Dodson, IBM. September 1997

IBM ThinkPad 770

IBM® ThinkPad®: 770

Processor type/path **Pentium® MMX 200/66 or 233/66 MHz** (Tillamook) / 64 bit to L2 and memory
 Processor features No upgrade / processor, L2 cache, and MTXC (North Bridge) on Intel MMO
 L2 cache **512 KB** / write-back / direct mapped / 7 ns data; 15 ns tag / sync pipelined burst
 Diskette (removable) 3.5" 1.44 MB / in encased enclosure / use in UltraBay II or attach externally
 External FDD port External diskette port (use std cable to attach diskette drive externally)
 CD-ROM (removable) **Option: 5.25" CD-ROM / 8 x to 20 x speed** / CAV / bootable
 DVD (removable) **EIDE (ATAPI) / PIO Mode 4 for W95; DMA Mode 2 for NT / use in UltraBay II**
Option: DVD-ROM drive / 8 x to 16 x spd / CAV / use in UltraBay II / (DVD5/4.7 GB)
 requires *DVD and Enhanced Video Adapter* for movie playback / sw enb AC-3 port

Type - model	9548-40U	9548-30U	9548-31U	9549-1AU	9548-32U (AAP)
Processor	200/66 MHz	233/66 MHz	233/66 MHz	233/66 MHz	233/66 MHz
Display (diagonal)	13.3" XGA	13.3" XGA	13.3" XGA	14.1" XGA	13.3" XGA
Disk (removable)	3.2 GB / PIO4	4 GB / PIO4	4 GB / DMA33	5.1 GB / PIO4	None
Preload (see side)	W95 OSR2	W95 OSR2	NT 4.0	W95 OSR2	Blank (no disk)
DVD and Enh Vid Ad	Optional	Optional	Optional	Standard	Optional
Modem	Opt PC Card	Opt PC Card	Opt PC Card	33.6 Kbps (upg)	Opt PC Card
Available date	October 1997				

Memory - std / max **32 MB** / 256 MB non-parity / 3.3v / **SDRAM** / 83 or 100 MHz
 Memory - upgrade 2 sockets available for two JEDEC 144 pin EDO or SDRAM SO-DIMMs
 Sockets accessed by removing screw on bottom / can mix SDRAM w/ 760-supported EDO

Display - size (colors) **XGA color / 640 x 480 (16M), 800 x 600 (16M), or 1024 x 768 (65,536 siml colors)**
 Display - technology **Active Matrix TFT** - 100 to 1 contrast ratio / 180 degree tilt

Graphics - controller **Trident™ CYBER9397** / 64 bit SVGA accelerator / **2 MB SGRAM** / 83 MHz
 Graphics - arch PCI 2.1 / Direct3D, DirectDraw, DirectVideo, ActiveMovie support / ZV interface
 Graphics - features **3D hardware accelerator** / interpolation in X and Y axis / color space conversion
 Graphics - external External SVGA to 1280 x 1024 w/ 256 colors (75 Hz) or 1024 x 768 w/ 65,536 colors

Disk (removable) Left side / removable via 3 methods: latch, coin screw, security tool / SMART
 Disk controller Enhanced IDE / busmaster / PCI 2.1 / 430TX South Bridge / PIIX4 / supports two
 internal disks (10.2 GB max) / DMA Mode 2, Ultra DMA/33, or PIO Mode 4

Keyboard / Fn keys Full size alp/num / 7 Fn key functions / integrated palm rest
 Keyboard slope Flat keyboard (does not lift up) / rear legs pop up (5.5 degrees slope)
 Pointing device **TrackPoint®** / drag lock / Press-to-Select / Release-to-Select / dragging / click pace/
 center click button for scrolling or magnifying glass / suspension top

Dimensions / weight **1AU:** 12.3 x 10 x 2.2" (270 cubic in) / 7.8 pounds (3.55 kg) with battery/diskette
Others: 12.3 x 9.5 x 2.2" (257 cubic inches) / 7.4 pounds (3.35 kg) with batt/diskette

Battery - type Lithium Ion / intelligent / left side
 Battery - life (1 batt) **1AU:** 3.5 hrs (7 hrs with second battery in UltraBay II) / **Others:** 4 hrs (8 hr w/ 2 batt)
 Charge time - on / off 2 to 3 hrs / 1.5 to 2.5 hrs

Architecture ISA (audio, modem, diskette, serial, parallel, infrared, ext expansion)
 PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, USB, ext expansion)
Intel 430TX PCIsset / TI PCI1250 for CardBus / LM75 digital thermometer

Port replicator **SelectaBase 770 / PC Card Enabler**
 Docking Station **SelectaDock III / SelectaDock I and II**
 PC Card Std slots 2 Type I, 2 Type II, or 1 Type III / **CardBus 32 bit PCI** / PCMCIA 2.1 / Zoomed Video
 USB / serial / parallel One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
 Other features APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot

Video in/out **1AU or option:** Video in/out (composite and S-Video) / SAA7111A NTSC/PAL
 MPEG decoder **1AU or option:** MPEG-2 / IBM MPEGCD1M / 2 MB SDRAM; 100 MHz
 Data/fax modem **1AU:** 33.6 Kbps (56 Kbps upgradeable via x2) / 14.4 Kbps fax / telephony /
 integrated Mwave 3780i DSP / international programmable DAA

Audio support 16 bit / CS4237B / **SRS 3D audio** / FM synthesis / software decodes AC3 into stereo
 Int stereo speakers (front) / **1 watt** / rotary volume control (right) / int microphone
 Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex
 Infrared ports Infrared ports (front and back) / IrDA 1.1 compatible / **up to 4 Mbps**

Security Power-on password / Hard disk password / Supervisor password / security keyhole /
 personalization / phillips-head screws on base for battery and UltraBay II bays

Warranty **3 year** - ThinkPad EasyServ (depot repair service) or carry-in / international
 Service Options On-site, M-F, 8-5, next bus day (71 cities) / Warranty extension to 5 years

DVD and Enhanced Video Adapter provides (standard in 1AU; optional all others):	- 5.1 GB disk, 12 ms, Ultra DMA/33	11J8947
- MPEG-1, MPEG-2 HHR, and full MPEG-2 hardware decoder (audio decoded via software)	- 2nd Disk Adapter (for 760/770 disks)	11J8836
- DVD movie playback (MPEG-2 decoding; decryption and audio decoding via software)	- SelectaBase 770	83H6735
- Video in (composite and SVHS) (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay	- SelectaDock I	3547001
- Video out (composite and SVHS) to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad	- SelectaDock II	3547002
- Dolby Digital AC-3 (outputs undecoded Dolby Digital signal from AC-3 connector; CSA8404A); requires external AC3 decoder/amplifier	- SelectaDock III	3547003
- Three ports - ① video in, ② video out, ③ AC-3	- SelectaBase PC Card Enabler	83H6741
- Includes video in/out cable	- 760 UltraBay Tray for SD III	11J8839
	- 56 watt AC Adapter (barrel; 3 prong)	83H6739
	- 8x-20x CD-ROM Drive (UltraBay II)	11J8933
	- DVD CD-ROM Drive (UltraBay II)	11J8950
	- DVD and Enh Video Adapter	11J8957
	- 16 MB SO DIMM 3.3v NP SDRAM	76H0293
	- 32 MB SO DIMM 3.3v NP SDRAM	76H0294
	- 64 MB SO DIMM 3.3v NP SDRAM	76H0295
	- PCMCIA 33.6 Kbps modem XJACK	55H6759
	- 56K PC Card Modem Kit	04K0052
	- ThinkPad 770 Li-Ion Battery	83H6738
	- External Battery Charger	11J8985

WINDOWS 95 PRELOAD

- Microsoft Windows 95 OSR2 (FAT16)
- Online User's Guide
- ThinkPad Configuration Program
- Diskette Factory Utilities
- 1. Puma TranXit; 2. IBM AntiVirus
- 3. Asymetrix Digital Video Producer (1AU)
- 4. RingZero Ring Central (1AU only)
- 5. Intelliquest Registration Mailer
- 6. Voyetra Audiostation
- 7. Artisoft ConfigSafe
- 8. IBM Internet Connection services with Netscape Navigator web browser
- 9. Intel® LANDesk® Client Manager
- 10. Intel Video Phone (receive) (1AU only)
- 11. ThinkPad PointCast
- 12. NetMeeting™ 2.0
- 13. Ergonomics; 14. ThinkPad on the NET
- 15. NetFinity for Windows 95
- Recovery CD-ROM with boot diskette
- Windows 95 CD-ROM (no installation)
- Internet Explorer 4.0 CD-ROM

WINDOWS NT 4.0 PRELOAD

- Microsoft Windows NT Work (FAT16)
- Advanced NT extensions:
 - Power management
 - UltraBay Plug and Play
 - DVD (storage only; no DVD movies)
 - Hot Plug PC Card; MPEG-2 playback
 - 3D graphics (OpenGL)
 - Video capture
- Online User's Guide
- ThinkPad Configuration Program
- 1. IBM AntiVirus
- 2. IBM Internet Connection services with Netscape Navigator web browser
- 3. Intel® LANDesk® Client Manager

The right bay (UltraBay™ II) has LED on release latch to provide status; it supports:
 ① std diskette; ② optional DVD drive;
 ③ optional CD-ROM; ④ optional 2nd disk;
 ⑤ optional 2nd battery; ⑥ optional ThinkPad Proven VST Zip™ 100 drive;

Easy-Setup is entered by holding F1 when turning on.

Code name Dearborn-1

Screens are 150 nits (90 nits on battery)

ThinkPad 770 supported disks:

- **3.2 GB** 13 ms read/14 ms write
17 mm PIO Mode 4 or DMA Mode 2
- **4.0 GB** 13 ms read/14 ms write
12.5 mm PIO Mode 4 or Ultra DMA/33
- **5.1 GB** 12 ms read/13 ms write
17 mm PIO Mode 4 or Ultra DMA/33
- All 760 supported disks (requires opt adaptr)

FEATURES OF 770 MODELS

- PC 97 compliant**
- DMI 1.1 compliant**
- DMI instrumentation (thermal monitoring)
- Wake-on-LAN via SelectaDock III**
- C: is 1.99 GB, D: is up to 1.99 GB, etc.
- Quick Setup Guide (single page)
- LCD indicator panel**
- Plug and Play 1.0a
- Discharge battery via mouse click
- Non-disruptive battery exchange
- Standby, suspend, safe suspend, and hibernation modes
- US EPA Energy Star compliant
- International Warranty Service
- IBM System Care Program**
- 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support
- IBM and dealer warranty/service

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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IBM ThinkPad Power Series 820 - withdrawn

IBM® ThinkPad®:	≥ 820 PowerPC - TFT color - CD-ROM	ThinkPad Power Series 820 strengths:						
Processor type	Power PC 603e / 100/33 MHz / 32 KB L1 cache	<ul style="list-style-type: none"> ⇨ PowerPC performance ⇨ AIX or NT preloaded (or no operating sys) ⇨ Removable, double speed, 5.25" CD-ROM ⇨ Standard or optional Video Card (acceleration, composite video in/out) 						
L2 cache	256 KB / write through / 2 way associative / 32 bit transfers							
Processor / L2 upgrade	None	Operating System preloads:						
Removable diskette	Internal or external 3.5" 1.44 MB ○ / external diskette drive connector Can use diskette and CD-ROM simultaneously as diskette drive ships with an external case with cable							
Removable CD-ROM	5.25" CD-ROM ○ / double speed / multi-session / XA / SCSI-2 / bootable The middle bay supports either the standard diskette drive or standard CD-ROM	<ul style="list-style-type: none"> ① IBM AIX Version 4 for Clients 4.1.3 <ul style="list-style-type: none"> - Ultimedia Services Ver 2.1.2 - Insignia SoftWindows Ver 1.1 - Speech Dictation - Personal Conferencing for AIX (some mod) - Essentials! (catalogs and support) - Power, Performance, Potential multimedia presentation - CD-ROMs included: Program Pack, AIX backup, Pers Conferencing for AIX (some) - Black 3 button mouse ② Microsoft Windows NT 3.51 Workstation <ul style="list-style-type: none"> - Essentials! (catalogs and support) - Power, Performance, Potential presenta - Comuserve WinCIM Power Series Ed - Introducing ThinkPad Power Series 820 - CD-ROMs included: Program Pack, NT backup ③ No preloaded operating system <ul style="list-style-type: none"> - CD-ROMs included: Program Pack, Pers Conferencing for AIX (some mod) ④ IBM OS/2 Warp Connect (when available) ⑤ Solaris (when available) 						
Type - model	6040-xxx (listed below)	<p>ALL 820 MODELS</p> <p>Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory</p>						
Available date	July 1995 or later (listed below)							
Disk controller	SCSI-2 Fast (for disk, CD-ROM) / external SCSI-2 50 pin connector	G10 Graphics with Motion Video Adapter (some models) provides:						
Removable disk - size	Choice: 540 MB 14 ms □ ○ / 810 MB 14 ms □ ○ / 1.2 GB 12 ms ○							
Display - type	Choice: Color 640 x 480 or Color 800 x 600 (listed below)	<ul style="list-style-type: none"> - Acceleration of motion video with scaling (no interpolation) of image. Video may be scaled up to full screen without frame rate degradation - Composite in (from camcorder, TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL - Composite out (to camcorder, TV, VCR) in NTSC. - Includes a cable with in/out RCA jacks to connect to the "integrated video connector" on back of unit 						
Display - technology	Black Matrix TFT - active matrix / up to 65,536 simultaneous colors							
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600	Options for ThinkPad Power Series 820:						
Graphics - controller	WD90C24A Rev C with 1 MB DRAM (called G10 Graphics Adapter)							
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)	<ul style="list-style-type: none"> - Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392 1.2 GB SCSI-2 30H1467 - AC Adapter 50 watts 30H1403 - 820 Travel Quick Charger 30H1373 - 820 NiMH Battery Pack 30H1369 - IBM Personal Microphone 12H1504 - 8 MB SO DIMM parity 92G7255 - 16 MB SO DIMM parity 92G7257 						
Graph - arch/data path	PCI 2.0 / 32 bit / Simultaneous LCD and CRT / 180 degree tilt							
Video function	Some: Video acceleration / composite in/out (called G10 Graphics with Motion Video Adapter) with Personal Conferencing for AIX CD-ROM	<p>FEATURES OF 820 MODELS</p> <p>Battery life and other indicators Non-disruptive battery exchange Suspend mode US EPA Energy Star compliant Personalized nameplate in molded indentation Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee</p>						
Memory - std / max	16 or 32 MB / 48 MB 70 ns / parity / 5 volt / 32 bit transfers							
Mem - sockets	Standard: 1 or 2 SO DIMMs; available: 2 or 1 SO DIMM sockets (16 MB	<p>ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99</p> <p>□ = Upgradeable; ○ = Removable; ≥ = Withdrawn effective March 20, 1996</p>						
Mem-options available	8, 16 MB JEDEC 72 pin SO DIMMs DIMM(s) std)							
Keyboard / # of keys	Full size alp/num / 84 (no Fn key) Easy-Setup is entered by holding F1 when power on							
Keyboard slope	Palm rest space							
Mouse/pointing	TrackPoint III™							
Ext keyboard support	Yes (with option cable)							
Dimensions	11.7 x 8.3 x 2.2" (213 cubic inches)							
Color	Black							
Weight (with battery)	7.5 pounds (with CD-ROM)							
Battery - type	Nickel hydride (NiMH) / intelligent							
Battery - life	2 to 5 hours							
Charge time - on / off	2.0 hrs / 1.5 hrs							
Architecture	PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI, motion video) ISA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion) VL-Bus 2.0 / 32 bit (graphics via PCI-to-VL Bridge)							
Docking Station	None							
Port replicator	None							
PCMCIA™ 2.1 slots	2 Type I or 2 Type II or 1 Type III							
Serial / parallel ports	One 9 pin; 16550A / Enhanced Parallel Port (EPP and IEEE 1284)							
Other features	Universal AC adapter, 50 watts, not wallmount / Drive Startup Sequence							
Data/fax modem	None (use PCMCIA)							
Audio support	CD quality audio (44.1 kHz, 16 bit, stereo) / Crystal Semiconductor™ CS4231 Internal stereo speakers (.5 watt each) / dial volume control Internal microphone / IBM Personal Microphone (earphone and headset)							
Audio in/out jacks	Input jack / output jack							
Infrared ports	None							
Security	Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock							
Preinstalled software	Choice: none or select a supported operating system (listed on side)							
Warranty	3 year - ThinkPad EasyServ							
Warranty options	ThinkPad EasyServ Overnight Repair Option							
Type-Model	Part	Mem	Disk	LCD	Graphics	Op Sys	Price	Avail
≥ 6040-OCD30H1553		32 MB	1.2 GB	800x600	G10	None	\$ 7,999	Aug 95
≥ 6040-ODD30H1554		32 MB	1.2 GB	800x600	G10	AIX	8,799	Aug 95
≥ 6040-OED30H1555		32 MB	1.2 GB	800x600	G10	NT	8,299	Aug 95
≥ 6040-06D	30H1477	32 MB	810 MB	800x600	G10	None	7,549	Jul 95
≥ 6040-07D	30H1478	32 MB	810 MB	800x600	G10	AIX	8,399	Jul 95
≥ 6040-08D	30H1480	32 MB	810 MB	800x600	G10	NT	7,849	Jul 95
≥ 6040-966	30H1482	16 MB	810 MB	640x480	G10 w/ Motion	None	6,449	Jul 95
≥ 6040-986	30H1484	16 MB	810 MB	640x480	G10 w/ Motion	NT	6,749	Jul 95
≥ 6040-977	30H1486	32 MB	810 MB	640x480	G10 w/ Motion	AIX	8,399	Jul 95
≥ 6040-006	30H1487	16 MB	540 MB	640x480	G10	None	5,699	Jul 95
≥ 6040-026	30H1489	16 MB	540 MB	640x480	G10	NT	5,999	Jul 95
≥ 6040-017	30H1491	32 MB	540 MB	640x480	G10	AIX	7,649	Jul 95

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99

□ = Upgradeable; ○ = Removable; ≥ = Withdrawn effective March 20, 1996

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IBM ThinkPad Power Series 850 - withdrawn

IBM® ThinkPad®:	⊗ 850 PowerPC - TFT color - CD-ROM - Video Card	ThinkPad Power Series 850 strengths:
Processor type	Power PC 603e / 100/66 MHz / 32 KB L1 cache	<ul style="list-style-type: none"> ⊗ PowerPC performance ⊗ Collaborative and conversational computing ⊗ Removable, double speed, 5.25" CD-ROM ⊗ Video card (acceleration, composite video) ⊗ Optional top mounted video camera
L2 cache	256 KB / write back / direct mapped / 64 bit transfers	
Processor / L2 upgrade	None	Operating System Preloads: <ul style="list-style-type: none"> ① IBM AIX Version 4 for Clients 4.1.3 <ul style="list-style-type: none"> - Ultimedia Services Ver 2.1.2 - Insignia SoftWindows Ver 1.1 - Speech Dictation - Personal Conferencing for AIX on CD - Essentials! (catalogs and support) - Power, Performance, Potential multimedia presentation - CD-ROMs included: Program Pack, AIX backup, Pers Conferencing for AIX - Black 3 button mouse ② Microsoft Windows NT 3.51 Workstation <ul style="list-style-type: none"> - Essentials! (catalogs and support) - Power, Performance, Potential presenta - Comuserve WinCIM Power Series Ed - Introducing ThinkPad Power Series 850 - CD-ROMs included: Program Pack, NT backup ③ No preloaded operating system <ul style="list-style-type: none"> - CD-ROMs included: Program Pack, Personal Conferencing for AIX ④ IBM OS/2 Warp Connect (when available) ⑤ Solaris (when available)
Removable diskette	Internal or external 3.5" 1.44 MB ○ / external diskette drive connector Can use diskette and CD-ROM simultaneously as diskette drive ships with an external case with cable	
Removable CD-ROM	5.25" CD-ROM ○ / double speed / multi-session / XA / SCSI-2 / bootable The middle bay supports either the standard diskette drive or standard CD-ROM	G10 Graphics with Motion Video provides: <ul style="list-style-type: none"> - Acceleration of motion video with scaling (no interpolation) of image. Video may be scaled up to full screen without frame rate degradation - Composite in (from camcorder, TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL - Composite out (to camcorder, TV, VCR) in NTSC. So can use TV as an external display or record the contents of the screen to VCR - ThinkPad 850 includes in/out RCA jacks on the back of the system
Type - model	6042-xxx (listed below)	
Available date	July 1995 or later (listed below)	Options for ThinkPad Power Series 850: <ul style="list-style-type: none"> - Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392 1.2 GB SCSI-2 30H1467 - AC Adapter 50 watts 30H1403 - Video Camera (NTSC) 85G2715 - 850 NiMH Battery Pack 85G2671 - 850 Quick Charger 85G2662 - IBM Personal Microphone 12H1504 - 4 MB IC DRAM 70ns 5v parity 92G7238 - 8 MB IC DRAM 70ns 5v parity 92G7241 - 16 MB IC DRAM 70ns 5v parity 92G7234 - 32 MB IC DRAM 70ns 5v parity 92G7235
Disk controller	SCSI-2 Fast (for disk, CD-ROM) / external SCSI-2 50 pin connector	
Removable disk - size	Choice: 540 MB 14 ms □ ○ / 810 MB 14 ms □ ○ / 1.2 GB 12 ms ○	FEATURES OF 850 MODELS Battery life and other indicators Non-disruptive battery exchange Suspend mode US EPA Energy Star compliant Personalized nameplate in molded indentation Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee
Display - type	Choice: Color 640 x 480 or Color 800 x 600 (listed below)	
Display - technology	Black Matrix TFT - active matrix / up to 65,536 simultaneous colors	ALL 850 MODELS Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, and memory (Battery removed from side)
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600	
Graphics - controller	WD90C24A Rev C with 1 MB DRAM (called G10 Graphics Adapter)	Architecture PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI, motion video) ISA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion) VL-Bus 2.0 / 32 bit (graphics via PCI-to-VL Bridge)
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)	
Graph - arch/data path	PCI 2.0 / 32 bit / Simultaneous LCD and CRT / 180 degree tilt	Docking Station Port replicator: None PCMCIA™ 2.1 slots: 2 Type I or 2 Type II or 1 Type III Serial / parallel ports: One 9 pin; 16550A / Enhanced Parallel Port (EPP and IEEE 1284) Other features: Universal AC adapter, 50 watts, not wallmount / Drive Startup Sequence
Video function	Video acceleration / composite in/out (called G10 Graphics with Motion Video)	
Video camera	Option: CCD camera on top of LCD / NTSC / white balance, iris, lens focus	Data/fax modem : None (use PCMCIA) / voice-over-data using industry standard modems Audio support : CD quality audio (44.1 kHz, 16 bit, stereo) / Crystal Semiconductor™ CS4231 Internal stereo speakers (1 watt each) / dial volume control Internal microphone / IBM Personal Microphone (earphone and headset) Input jack / output jack / line in / line out (all 3.5 mm) None
Memory - std / max	16 or 32 MB / 80 to 96 MB 70 ns / parity / 5 volt / 64 bit transfers	
Mem - sockets	Standard: 2 SO DIMMs in 2 SO DIMM sockets; available: 2 IC DRAM sockets	Audio in/out jacks : Input jack / output jack / line in / line out (all 3.5 mm) Infrared ports : None
Mem-options available	4, 8, 16, 32 MB IC DRAMs / must be installed in matched pairs	
Keyboard / # of keys	Full size alp/num / 84 (no Fn key)	Security Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock
Keyboard slope	Yes (legs pop out) / palm rest space	
Mouse/pointing	TrackPoint III™	Preinstalled software : Choice: none or select a supported operating system (listed below) Warranty : 3 year - ThinkPad EasyServ Warranty options : ThinkPad EasyServ Overnight Repair Option
Ext keyboard support	Yes (with option cable)	
Dimensions	11.7 x 10.2 x 2.4" (286 cubic inches)	Compatible in 820 and 850: ① Disks, ② CD-ROM, ③ AC Adapter
Color	Black	
Weight (with battery)	7.96 pounds (with CD-ROM)	
Battery - type	Nickel hydride (NiMH) / Intelligent	
Battery - life	2 to 5 hours	
Charge time - on / off	2 hrs / 1.5 hrs	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
□ = Upgradeable; ○ = Removable; ⊗ = Withdrawn effective March 20, 1996

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Easy operation features

- Data backup and synchronization.
Simply slip the WorkPad organizer into its convenient cradle, push the HotSync button and quickly exchange data with your PC.
- Three easy data entry options:
 - Transfer data directly from your PC using HotSync technology.
 - Use the on screen keyboard.
 - Use the stylus and Graffiti[®] power writing software.
- One-touch find feature. Quickly locate numbers, addresses, notes and just about anything else you've stored in your WorkPad organizer.
- Bright backlit display. Easy viewing in low-light conditions.
- E-mail anywhere:
 - Download your e-mails from your PC and read them at your convenience.
 - View and compose e-mail messages right on your WorkPad organizer.
 - Connect a modem² and you're ready to send and receive e-mails remotely.
- User password option. Keep your data secure.

Everything you need to get started:

- WorkPad organizer
- Synchronizing cradle
- Desktop software for the IBM WorkPad organizer on CD-ROM
- WorkPad User's Guide
- Quick Start Guide
- Two AAA alkaline batteries
- DB-25 adapter
- Protective carrying pouch
- Accessories catalog

WorkPad technical specifications

Model	8602-10U
Size	4.7"x3.2"x0.7"
Weight¹	6 oz
Storage capacity	1MB ³ Approx. 4,000 addresses, 4 years of appointments (approx. 2,400), 750 to-do items, 750 memos, 100 e-mail messages
Compatible with these mail systems	Lotus cc:Mail v. 7.0, 6.0 and 2.5, MS Outlook '97, MS Exchange 4.0, Windows Messaging 4.0, Eudora Pro and Light 3.0.1
Applications included	Date Book, Address Book, To Do List, Memo Pad, Expense, E-Mail, Calculator
Additional features	Find Command, Phone Lookup, Memory Application, Security System

Customer support and service

- One-year limited warranty.⁵
- Toll-free hardware support at no additional charge during warranty.

Software included

- Desktop software for the WorkPad organizer is included to import and export data as well as to print or duplicate the Date Book, Address Book, To Do List and Memo Pad applications.
- The WorkPad is "Internet ready," which means it can access the Internet via add-on applications such as Web browsers, news readers and other applications that require TCP/IP.⁴
- Graffiti power writing software allows you to write letters, numbers, punctuation marks and even international characters with speed and accuracy.
- HotSync Manager oversees the synchronizing process. Running in the background, it monitors the communications port on the computer.

Selected options and accessories

For additional items that will enhance your WorkPad organizer, such as modems and leather carrying cases, call 1-800-891-6342 option 6.

Need more information?

IBM HelpFax

1 800 465-3299

World Wide Web

www.ca.pc.ibm.com/workpad.html

Product and Dealer Location Information

1 800 IBM-CALL (426-2255)

¹ Includes battery; actual weight may vary.

² Available from 3Com at additional cost.

³ MB means million bytes, accessible capacity may be less. 750 memos or e-mails of approximately 128 characters in length.

⁴ Third-party applications that allow you to view transmitted data are available for purchase separately.

⁵ For terms and conditions or a copy of IBM's limited warranty, call 1 800 465-7999.

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Components made in Singapore, Malaysia, China and U.S.; assembled in U.S.



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Printed in Canada

11-97

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ThinkPad 700 Series Docking Solutions: modular, flexible design

SelectaDock Base Model I

SelectaDock Base Model I provides port replicator convenience and cable management for easy attachment of multiple peripherals. Modular in design, it slips easily into either SelectaDock I, II or III, giving you an expandable desktop system with PCI capability. Key features include one-step hot or warm docking, PC Card security and slot for cable lock.

SelectaBase 770

The new SelectaBase 770 provides port replicator convenience and cable management for the ThinkPad 770. SelectaBase 770 slips into the new SelectaDock III to give you an expanded desktop system with PCI capability. Key features include USB, one-step hot or warm docking, system security, PC Card security, slot for cable lock and plug and play capability.

ThinkPad Docking Solutions at a glance

Model	SelectaDock I*	SelectaDock II*	SelectaDock III*
Part number	3547001	3547002	3547003
Ports	Base Model ports plus game port and SCSI-2	Base model ports, plus line in, headphone, SCSI-2 and MIDI/game ports	Base model ports, plus line in, headphone, SCSI-3, MIDI/game ports and 2 USB ports
Slots	1 full-size shared 32-bit PCI or 16-bit ISA	2 full-size PCI/ISA shared slots and 1 half-size PCI slot	2 full-size PCI/ISA shared slots and 1 half-size PCI slot
PC Card slots	2 Type II or 1 Type III CardBus	2 Type II or 1 Type III CardBus	2 Type II or 1 Type III CardBus
Bays	UltraBay for ThinkPad devices such as diskette drive, CD-ROM or hard drive	UltraBay for 2 ThinkPad UltraBay storage devices and 1 half-high industry-standard bay	UltraBay II** (front-loading) for 2 ThinkPad UltraBay storage devices and 1 half-high industry-standard bay
Power supply	Integrated universal power supply	Integrated universal power supply	Integrated universal power supply
Size/weight	Approximately 1.4"H front; 2.8"H rear x 15.4"W x 15.0"D/ 9.7 lbs without other options	Approximately 3.4"H front; 5.4"H rear x 15.6"W x 16.5"D/ 18.3 lbs without other options	Approximately 3.4"H front; 5.4"H rear x 15.6"W x 16.5"D/ 15.2 lbs without other options
Other features	Plug and Play-ready; fail-safe docking; hot/warm docking; positive docking indicator; CardBus and UltraBay security; slot for cable lock	Plug and Play-ready; fail-safe docking; hot/warm docking; positive docking indicator; CardBus and UltraBay security; slot for cable lock	Plug and Play-ready; PC97 compliant; fail-safe docking; hot/warm docking; positive docking indicator; CardBus and UltraBay security; slot for cable lock; Wake on LAN via PCI Card
Systems supported	760E/ED/EL/XD/XL, 765D/L, 770***	760E/ED/EL/XD/XL, 765D/L, 770***	760E/ED/EL/XD/XL, 765D/L, 770

* SelectaDock I, II and III require SelectaDock Base Model I or SelectaBase 770: size/weight includes SelectaBase Model I or SelectaBase 770.

** UltraBay I devices supported via optional tray.

*** SelectaDock I and II do not support ThinkPad 770 UltraBay devices. When SelectaBase 770 is utilized with either SelectaDock I or II, the ThinkPad 770's 56W AC adapter must be plugged into the SelectaBase 770 to meet minimum system power requirements.

Port Replicators: economical expansion and cable management

ThinkPad Port Replicators complete IBM's array of desktop solutions. All let you use an external monitor, a standard keyboard and a printer, without connecting and disconnecting each device every time you want to attach and detach your ThinkPad.

ThinkPad Port Replicators at a glance

Model	365 Port Replicator	380/385 Port Replicator	560 Port Replicator
Part number	75H7529	84G1316	46H4209
Ports	Serial; parallel; monitor; keyboard; mouse; diskette drive; audio in/out; MIDI/joystick; spare battery connector	Serial; parallel; monitor; keyboard; mouse; diskette drive; audio in/out; MIDI/joystick; CardBus	Serial; parallel; monitor; keyboard; mouse; diskette drive
PC Card slots	N/A	2 PC CardBus slots support 2 Type II or 2 Type III PC Cards	N/A
Power supply	ThinkPad AC adapter	ThinkPad AC adapter	ThinkPad AC adapter
Size	Approximately 1.5"H x 11.7"W x 16.8"D	Approximately 1.85"H x 11.3"W x 6.85"D	Approximately 1.3"H x 2.4"W x 11.7"D
Systems supported	All 365	All 380, 385	All 380, 385, 560

NEW! PC Card Enabler (760/765/770)

IBM now offers the ultimate in enhanced port replication. The PC Card Enabler offers one Type III or two Type II PC Card slots. Simply attach it to the back of the SelectaDock Base Model I or SelectaBase 770 and enhance your ability to connect to industry-standard PC Cards (e.g., Ethernet, modem, etc.). The PC Card Enabler uses minimum space on your desktop while providing the capability to adapt to your changing needs.



IBM service and support

Our one-year limited warranty¹ for ThinkPad options helps ensure your satisfaction. Included at no additional charge is ThinkPad EasyServ,² our convenient courier service that picks up a device in need of servicing, delivers it to an IBM designated repair facility and returns it to you—without charging you for shipping.

Need more information?

IBM Fax Information Service

1 800 IBM-3395
ThinkPad Information Directory Doc#11078
ThinkPad Options Compatibility Matrix
Doc#42007

World Wide Web

www.us.pc.ibm.com/thinkpad
www.us.pc.ibm.com/options

Product and Dealer Location Information

1 800 426-2968

Docking

Port Replication

ThinkPad Docking Options

	Part number	SelectaDock III*	SelectaDock II*	SelectaDock I*	SelectaBase 770	SelectaDock Base Model I	ThinkPad 365 Port Replicator	ThinkPad 380 Port Replicator	ThinkPad 560 Port Replicator
Storage									
8X CD ROM Drive	45H8786		•	•					
1.4GB ³ Hard Disk Drive	69H8412	4	•	•					
2.1GB Hard Disk Drive	69H8414	4	•	•					
3.0GB Hard Disk Drive	45H8789	4	•	•					
5.1GB Hard Disk Drive	00K7902	4	•	•					
5.1GB Hard Disk Drive	11J8947		•	•					
FDD External Attachment Kit	66G3618		•	•					
Accessories									
Enhanced Keyboard with TrackPoint II in Black	13H6705	•	•	•	•	•	•	•	•
PS/2 Numeric Keypad	07G0032	•	•	•	•	•	•	•	•
PS/2 Miniature Mouse in Black	07G0033	•	•	•	•	•	•	•	•
IBM Enhanced Mouse II in Black	13H6714	•	•	•	•	•	•	•	•
Enhanced Keyboard with PS/2 Style Cable	92G7453	•	•	•	•	•	•	•	•
IBM G52 Color Monitor in Black (15" FST/13.6" viewable image size)	654640N	•	•	•	•	•	•	•	•
IBM G72 Color Monitor in Black (17" FST/15.7" viewable image size)	654741N	•	•	•	•	•	•	•	•
Other									
PC Card Enabler	83H6741				•	•	•	•	•
Display Stand II	39H7436	•	•	•	•	•	•	•	•
ThinkPad 760 UltraBay Options									
Tray for SelectaDock III	11J8839	•							

* SelectaDock I, II and III require SelectaDock Base Model I or SelectaBase 770

¹ For terms and conditions or a copy of IBM's limited warranty, please call 1 800 772-2227.

² Available only in North America at no additional charge during warranty period.

³ MB means million bytes and GB means billion bytes when referring to hard drive capacity. Accessible capacity varies.

⁴ Requires 11J8839 (UltraBay Tray for SelectaDock III). Other part numbers, in addition to those listed in this document, may be required to support a specific device or function.

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9-97

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IBM ThinkPad Options Compatibility Matrix

* Not all models or products are available in all countries.

IBM ThinkPad Options	Part number	Current							Out of Production	
		770	765D/L	760E/ED/EL/ELD/XL/XD	560/E/X	380/E/D/ED/385	365E/ED/X/XD	310/E/D/ED	760C/CD/L/LD	365/C/CS/CD/CSD
Memory										
SO DIMM (Non-Parity)										
8MB EDO	92G7340	25	•	•	•	•	8			
16MB EDO	92G7341		•	•	•	•	8			
32MB EDO	92G7342	25	•	•	•	•	8			
64MB EDO	76H0268	25	•	13	14	•				
16MB EDO	11J8636							•		
32MB EDO	11J8637							•		
16MB SDRAM	76H0293	•								
32MB SDRAM	76H0294	•								
64MB SDRAM	76H0295	•								
Storage										
1.4GB ¹ Hard Disk Drive ⁶	69H8412	20	•	•					•	
2.1GB Hard Disk Drive ⁶	69H8414	20	•	5					5	
3.0GB Hard Disk Drive ⁶	45H8789	20	•	5					5	
5.1GB Hard Disk Drive ⁶	00K7902	20	•	5					5	
1.4GB Hard Disk Drive	82H8161									•
2.1GB Hard Disk Drive	82H8175						8			
2.1GB Hard Disk Drive ¹¹	45H8783				•					
4.0GB Hard Disk Drive ¹¹	02K0501				•					
2.1GB Hard Disk Drive ¹¹	73H9797					•				
3.2GB Hard Disk Drive ¹¹	02K0487					•				
5.1GB Hard Disk Drive ¹¹	02K0506					•				
2.1GB Hard Disk Drive	11J8643							•		
5.1GB Hard Disk Drive ²¹	11J8947	•								
2nd Hard Disk Drive Adapter for 770 ³	11J8836	•								
2nd Hard Disk Drive Adapter for 760/765 ²⁷	29H9333		•	•						•
6X CD-ROM Drive	85G1957		•	10						
8X CD-ROM Drive ¹¹	83H6726						8			
8X CD-ROM Drive	45H8786		•	5					5	
8X CD-ROM Drive ¹¹	73H9795					•				
10X CD-ROM Drive	11J8676							11		
DVD CD-ROM Drive	11J8950	•								
20X-8X CAV CD-ROM Drive ²³	00K7903		•	5						5

	Part number	Current										Out of Production
		770	765D/L	760/E/ED/EL/ELD/XL/XD	560/E/X	380/E/D/ED/X/XD	365/E/ED/X/XD	310/E/D/ED	760C/CD/L/LD	365/C/CS/CD/CSD		
20X-8X CAV CD-ROM Drive ²³	11J8933	•										
20X-8X Portable CD-ROM Drive ²³	1969010	•	•	•	•	•	•	•	•	•	•	•
20X-8X Portable Stereo CD-ROM Drive ²³	1969011	•	•	•	•	•	•	•	•	•	•	•
DVD Enhanced Video Adapter	11J8957	•										
FDD External Attachment Kit	66G3618		•	•							•	
Power												
Li-Ion Battery Pack	83H6738	•										
Li-Ion Battery Pack	46H4206				•							
Li-Ion Battery	73H9793					•						
Li-Ion Battery Pack II	29H9329		•	•							•	
NiMH Battery	11J8639								•			
NiMH Battery Pack	38H6304							•				•
External Battery Charger	11J8985	•			•							
35W Slim AC Adapter (4-pin)	76H0119			•							•	
35W Slim AC Adapter (2-pin)	76H0139					28	22	8				
45W AC Adapter	11J8702								•			
56W AC Adapter	83H6739	•				29	18					
56W AC Adapter	12J2456		•									
Desktop Expansion												
SelectaBase 770	83H6735	•										
SelectaDock Base Model I	39H7405		•	•							•	
SelectaDock I ⁷	3547001	•	•	•								
SelectaDock II ⁷	3547002	•	•	•								
SelectaDock III ^{7,16}	3547003	•	•	•								
SelectaBase PC Card Enabler ⁷	83H6741	•	•	•							•	
Enhanced Port Replicator	11J8997					29	•					
Port Replicator	46H4209					•	•					
Port Replicator and Charger	75H7529							•				•
IBM G52 Color Monitor in Black (15" FST/13.6" viewable image size)	654640N	•	•	•	•	•	•	•			•	•
IBM G72 Color Monitor in Black (17" FST/15.7" viewable image size)	654740N	•	•	•	•	•	•	•			•	•
Standard 104-Key Keyboard in Black	76H0109	•	•	•	•	•	•	•			•	•
Enhanced Keyboard with TrackPoint in Black	13H6705	•	•	•	•	•	•	•			•	•
TrackPoint Caps	39H1354	•	•	•	•	•	•	•			•	•
PS/2 Numeric Keypad	07G0032	•	•	•	•			8	•		•	
PS/2 Miniature Mouse in Black	07G0033	•	•	•	•	•	•	•			•	•
Black Sleek Mouse	12J3615	•	•	•	•	•	•	•			•	•
ScrollPoint Mouse in Black ¹⁷	00K8534		•	•							•	
PS/2 Keyboard/Mouse Connector (Y-CABLE)	54G0441	•	•	•	•	•	•	•			•	•
Color Flatbed Scanner ³²	0275001			33		33	33					
Networking and Communications												
Turbo 16/4 Token-Ring PC Card (9-Pin D Shell)	85H3628	•	•	•	•	•	•	•			•	•
Turbo 16/4 Token-Ring PC Card (RJ-45)	85H3629	•	•	•	•	•	•	•			•	•
EtherJet PC Card 10BaseT	72H4533	•	•	•	•	•	•	•			•	•
EtherJet PC Card Combo 10BaseT/10Base2	72H4534	•	•	•	•	•	•	•			•	•
56K PC Card Modem Kit ¹²	04K0052	31	34	34	•	•	•	•			•	•

		Docking				Port Replication			
	Part number	SelectaDock I¹⁷	SelectaDock II¹⁷	SelectaDock III¹⁷	SelectaBase 770	ThinkPad Base Model I	ThinkPad 365 Port Replicator	ThinkPad 380 Port Replicator	ThinkPad 560 Port Replicator
IBM G52 Color Monitor in Black (15" FST/13.6" viewable image size)	654640N	•	•	•	•	•	•	•	•
IBM G72 Color Monitor in Black (17" FST/15.7" viewable image size)	654740N	•	•	•	•	•	•	•	•
Communications									
PCI Token-Ring Adapter w/Wake on LAN	86H1880			19					
10/100 PCI EtherJet Adapter w/Wake on LAN	85H9921			19					
Auto Wake Token-Ring ISA Adapter	55H6760			19					
Desktop Expansion									
760 UltraBay Options Tray for SelectaDock III (holds 2 devices)	11J8839			•					
PC Card Enabler	83H6741				•	•			
Other									
Flight Controller II	76H0130	•	•	•					
Display Stand II	39H7436	•	•	•	•	•	•	•	•

Key to chart footnotes:

- ¹ MB equals one million bytes and GB equals one billion bytes when referring to hard drive capacity, accessible capacity may be less.
- ² Only Personal Communications 4.2 is supported under Windows 95.
- ³ This adapter provides connections for 770 or 760 hard disk drive options when used as second hard disk drive in 770 UltraBay II (see note 16).
- ⁴ 760EL/ELD models below 133MHz are not compatible. 760XD has an integrated modem.
- ⁵ Supports 760CD/LD/ED/EL/ELD/XL/XD and "thick" models of the E only. (Excludes 'E' models U4A and U4B.)
- ⁶ Can be used in UltraBay of 760 models and SelectaDocks I and II.
- ⁷ Requires 39H7405 (SelectaDock Base Model I for 760/765) or 83H6735 (SelectaBase 770) for 770. See ThinkPad Docking Options Matrix.
- ⁸ Supports 365X/XD only.
- ⁹ Can also be used in UltraBay of 760 models.
- ¹⁰ Supports 760EL and 760E model U3B and U3L. Also supports SelectaDocks I and II.
- ¹¹ Dealer/Service Center installation only.
- ¹² x2 modems are designed to be capable of receiving data at up to 56Kbps from x2 compatible service provider, and transmitting data at up to 33.6Kbps. Public Networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- ¹³ Supports 760 XL/XD only.
- ¹⁴ Supports 560E/X only.
- ¹⁵ Available in U.S. only.
- ¹⁶ Requires 11J8839 (760 UltraBay Options Tray for SelectaDock III) to use UltraBay 760 options. To install one 760 hard disk drive only, use second hard disk drive adapter 11J8836.
- ¹⁷ Requires Windows 95 as an operating system and disabling the ThinkPad internal pointing device.
- ¹⁸ Supports 380 E/ED only.
- ¹⁹ Supports ThinkPad 770 for Wake on LAN function.
- ²⁰ Requires second hard disk drive adapter (11J8836). Cannot be used as primary hard disk drive.
- ²¹ Requires second hard disk drive adapter (11J8836) when added to UltraBayII in ThinkPad 770 or SelectaDock III.
- ²² Supports 380/380D/385 only.
- ²³ Variable read rate. Actual playback speed will vary and is often less than the maximum possible.
- ²⁴ 33.6 modems enable transfer speeds over the phone network at up to 33.6Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- ²⁵ Optimum 770 performance is realized using the SDRAM memory.
- ²⁶ Requires a modem.
- ²⁷ Connects 760 hard disk drive options when used as second hard disk drive in 760/765 UltraBay.
- ²⁸ Supports 560/E only.
- ²⁹ Supports 560X only.
- ³⁰ Requires Windows 3.1 or Windows 95.
- ³¹ 9549 has integrated modem.
- ³² Requires 16MB RAM. Requires Windows 3.1, Windows 95 or Windows NT for scanner driver software and Windows 95 or Windows NT for application software.
- ³³ Supports 760ELD, 380D and 365XD.
- ³⁴ 765D and 760XD have an integrated modem.

Add value to your IBM ThinkPad



ThinkPad Proven Solutions



*Tested, warranted and supported by manufacturer to ThinkPad Compatibility Standards

Expand your options with quality third-party products

The award-winning IBM ThinkPad family of notebook computers continues to earn rave reviews from customers and industry experts alike. Offering power, performance and innovative technology, ThinkPad makes it easier for you to work anywhere—at home, at the office or on the road.

Offering a wide array of features and functions, IBM ThinkPads can be tailored to meet your exact business requirements. Options such as PC Card adapters, memory upgrades, external hard disk drives and desktop expansion solutions allow you to add the function you need when you need it.

Anticipating needs... providing solutions

In response to past requests for a greater selection of ThinkPad options, IBM went to work with other industry-leading manufacturers. Our goal was to provide only those products and services that met our tough ThinkPad compatibility standards.

To achieve this goal, IBM created ThinkPad Proven, an innovative options program. ThinkPad Proven opens the door to a wide selection of products, services and technologies that give additional functionality and flexibility to your ThinkPad. For example, SCSI adapters allow you to attach peripheral devices such as CD-ROM drives directly to your ThinkPad. Also, other options in wireless communications let you stay in touch no matter where you are.

What the ThinkPad Proven emblem means to you

Before a participating vendor can use the ThinkPad Proven emblem, the manufacturer must state that the product has been tested and warranted by the manufacturer, and will be supported according to IBM's demanding ThinkPad compatibility standards.

As a result, you can be confident that:

- The product has been approved for use on specific ThinkPad notebook models, as evidenced by the ThinkPad Proven emblem on the package.

- The manufacturer has stated to IBM that the IBM-developed test procedure has been completed and the product is in full compliance with ThinkPad compatibility standards.
- The product is warranted by the manufacturer for a minimum of one year—and in most cases, for three years (90 days for software).
- The manufacturer meets or exceeds specific customer support standards to participate in the ThinkPad Proven program.

The ThinkPad Proven program not only broadens your choice of products, but gives you peace of mind as well. The bottom line is that you can rest assured that the product will work—and work well—with your ThinkPad right out of the box.

The best pass the test

Only those vendors that satisfy ThinkPad compatibility standards are permitted to include the ThinkPad Proven emblem on packaging and promotional materials. IBM will continue to add to the program products, services and technologies that meet our compatibility requirements and maximize the functionality of your ThinkPad.

ThinkPad Proven Solutions and Partners

Please refer to the sections below for information on the partners* participating in ThinkPad Proven and the specific solutions offered. Additional details are available for participating products. Simply call, fax, e-mail or use the World Wide Web to request the information you need.

CARRYING CASES

Port, Inc.

You've invested a great deal in your ThinkPad, and these tough, smart and superbly crafted cases are your ideal traveling companion. Each case offers protection against common drops and bumps. Most offer a unique shock-absorbing system that suspends your ThinkPad in an elastic sling, providing greater protection than simple foam padding.

TPG7000	ThinkPad Compact Case
TP69600	ThinkPad Standard Case
TP69700	ThinkPad CarryAll Case
TP13002	ThinkPad Back Pack
TP11000	ThinkPad Overnighter
TP83000	ThinkPad Deluxe Leather
TP56000	ThinkPad 560 UltraPortable Case
TP56110	ThinkPad 560 UltraPortable Portfolio (Black Leather)
TP39630	ThinkPad Corporate Standard
TP39830	ThinkPad Corporate Modular
TP72130	ThinkPad Universal Portfolio
TP39S30	ThinkPad Security Case
TP90040	ThinkPad Modular Roller
TP18010	ThinkPad Executive Leather (Black)
TP18011	ThinkPad Executive Leather (Brown)
TP12260	ThinkPad Sport Case (Black)
TP12262	ThinkPad Sport Case (Navy)
TP12263	ThinkPad Sport Case (Green)
TP12220	ThinkPad Executive Sport (Black Leather)
TP77030	ThinkPad 770 Deluxe Case (supports 14.1" form factor)
TP23030	ThinkPad CD Wallet
TP61000	ThinkPad Accessory Pouch

GLOBAL CONNECTIVITY

Road Warrior, Inc.

Country adapters for telecommunications and power; includes Telecoupler II, a battery-operated telecoupler that enables modem connections over virtually any telecommunications medium. Telephone and power adapters allow international travelers to use their ThinkPad and modem in other countries.

Road Warrior Tele-Travel Kit International
Road Warrior Telephone Adapters—RJ11 to: Hungary, Czechoslovakia, Italy, Korea, South Africa, Australia, Belgium, Finland, Norway, Austria, Brazil, Japan, Denmark and Switzerland
Telecoupler II Acoustic Coupler

Port, Inc.

Three connectivity solutions from Port allow you to: link your ThinkPad modem to any digital phone system—get connected for e-mail or Internet access by linking your modem safely and quickly in your office or hotel room, quickly connect your ThinkPad modem to public phones—when you can't unplug the phone to access the outlet, the AcoustiCoupler makes the connection or a convenient way to end tangled cords—eight feet of telephone cord that fits in your pocket.

CMD0500	SureLink Digital Telephone Enabler 250
CMA0400	SureLink AcoustiCoupler 100
CMM0200	SureLink Retractable Telephone Cord

INFRARED ACCESSORIES

Capitalize on the infrared capabilities of your ThinkPad while enhancing your work environment by reducing "cable clutter."

Extended Systems

Extended Systems offers infrared connections from your infrared-equipped ThinkPad to a parallel printer, file transfer to another computer, or to an Ethernet LAN.

ESI-9580A	JetEye Infrared Printer Connection, for ThinkPads with infrared capability.
ESI-9680A	JetEye Infrared File Transfer, to enable cableless data movement from your ThinkPad with infrared capability to another computer.
ESI-9910A	JetEye Net Plus Infrared Ethernet and Printer connection for ThinkPads with infrared capability.
ESI-9911A	JetEye Net Plus Infrared Token-Ring and Printer connection for ThinkPads with infrared capability.
ESI-9900A	JetEye Net Plus Infrared Ethernet connection for ThinkPads with infrared capability.

Port, Inc.

Special effects and unparalleled mobility—Run your ThinkPad presentation from up to 50 feet away and add from more than 20 special effects.

PPW0050	PORT Presentation System for Windows
PPI0050	PORT Presentation System for OS/2

MEMORY

ThinkPad Proven memory is available for all ThinkPad models. Parity and non-parity memory in both IC DRAM and DIMM packaging is available from 4 to 64MB capacities.

Apex Data, division of Smart Modular Technologies

572-11102	4MB Non-Parity IC DRAM card for ThinkPad 340/355/360
572-11202	8MB Non-Parity IC DRAM card for ThinkPad 340/355/360
572-11302	16MB Non-Parity IC DRAM card for ThinkPad 340/355/360
IBT-350-4	4MB for ThinkPad 350
IBT-350-8	8MB for ThinkPad 350
IBT-350-16	16MB for ThinkPad 350
AI04MIBM365TP	4MB SO DIMM for ThinkPad 365 (C,CS,CD,CSD,E,ED)
AI16MIBM365TP	16MB SO DIMM for ThinkPad 365 (C,CS,CD,CSD,E,ED)
IBT-500-4	4MB Parity IC DRAM card for ThinkPad 500/501
IBT-500-8	8MB Parity IC DRAM card for ThinkPad 500/501
IBT-750-4	4MB Parity IC DRAM card for ThinkPad 700/720/750/755
IBT-750-8	8MB Parity IC DRAM card for ThinkPad 700/720/750/755
IBT-750-16	16MB Parity IC DRAM card for ThinkPad 700/720/750/755
592-41102	4MB SO DIMM for ThinkPad 701
592-41202	8MB SO DIMM for ThinkPad 701
592-41302	16MB SO DIMM for ThinkPad 701
552-11902	32MB Parity IC DRAM card for ThinkPad 750/755
AI08MIBTP760	8MB SO DIMM for ThinkPad 760 (C,CD,L,LD)
AI16MIBTP760	16MB SO DIMM for ThinkPad 760 (C,CD,L,LD)
AI08MIBTP****	8MB SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765
AI16MIBTP****	16MB SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765
AI32MIBTP****	32MB SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765

NOTE: **** = 365 (X, XD) 380, 385, 560 or 760 (E,ED, X, XD) or 765 depending upon ThinkPad model

Apricorn, Inc.

4370-4M	4MB IC DRAM Card for ThinkPad 340/355/360
4370-8M	8MB IC DRAM Card for ThinkPad 340/355/360
4370-16	16MB IC DRAM Card for ThinkPad 340/355/360
4370-32	32MB IC DRAM Card for ThinkPad 340/355/360
4365-4M	4MB SO DIMM for ThinkPad 365 (C,CS,CD,CSD,E,ED)
4365-16	16MB SO DIMM for ThinkPad 365 (C,CS,CD,CSD,E,ED)
4360-4M	4MB IC DRAM Card for ThinkPad 500/510
4360-8M	8MB IC DRAM Card for ThinkPad 500/510
4360-16	16MB IC DRAM Card for ThinkPad 500/510
4300-4M	4MB IC DRAM Card for ThinkPad 700/720/750/755
4300-8M	8MB IC DRAM Card for ThinkPad 700/720/750/755
4300-16	16MB IC DRAM Card for ThinkPad 700/720/750/755
4300-32	32MB IC DRAM Card for ThinkPad 700/720/750/755
4375-4M	4MB SO DIMM for ThinkPad 701
4375-8M	8MB SO DIMM for ThinkPad 701
4375-16	16MB SO DIMM for ThinkPad 701
4380-4M	4MB DIMM for ThinkPad 750/755 (Parity)
4380-8M	8MB DIMM for ThinkPad 750/755 (Parity)
4380-16	16MB DIMM for ThinkPad 750/755 (Parity)
4390-8M	8MB SO DIMM for ThinkPad 760 (C,CD,L,LD)
4390-16	16MB SO DIMM for ThinkPad 760 (C,CD,L,LD)
4390-32	32MB SO DIMM for ThinkPad 760 (C,CD,L,LD)
4391-8M	8MB EDO SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765
4391-16	16MB EDO SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765
4391-32	32MB EDO SO DIMM for ThinkPad 365 (X,XD), 380, 385, 560, 760 (E,ED, X, XD), 765
4391-64D	64MB EDO SO DIMM for ThinkPad 365 (X, XD), 380, 385, 560
4391-32C	32MB EDO Memory Carrier Module for ThinkPad 760 (E, ED)
4391-64C2	64MB EDO Memory Carrier Module for ThinkPad 760 (E, ED)
4391-96C	96MB EDO Memory Carrier Module for ThinkPad 760 (E, ED)
4395-8	8MB SDRAM SO DIMM for ThinkPad 770
4395-16	16MB SDRAM SO DIMM for ThinkPad 770
4395-32	32MB SDRAM SO DIMM for ThinkPad 770
4395-64	64MB SDRAM SO DIMM for ThinkPad 770

MODEMS

Modems turn your ThinkPad into a mobile communications device, allowing you to send and receive data and faxes over telephone lines, or for some models, via cellular telephones over both analog and GSM networks. The DAA is incorporated into the PC Type II Card.

Apex Data, division of Smart Modular Technologies

The following modems are approved for use in the U.S.A.

011-20441	Mobile Plus V32bis Cellular Data/Fax Modem 14.4/14.4 Type II PCMCIA
011-20641	Mobile Plus V34bis Cellular Data/Fax Modem 28.8/14.4 Type II PCMCIA

Apex Data, division of Smart Modular Technologies (cont.)

The following ClipperCom World modems are either homologated (certified) or have homologation (certification) pending in the following countries: Australia, Austria, Belgium, Canada, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Hong Kong, Hungary, Ireland, Italy, Japan, Kenya, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, South Africa, Singapore, Slovenia, Spain, Sweden, Switzerland, United Kingdom and United States.

011-20613	ClipperCom World V.34 (28.8/14.4Kbps) PCMCIA Data/Fax Modem
011-20611	ClipperCom World/Cellular V.34 (28.8/14.4Kbps) PCMCIA Data/Fax Modem. <i>PC Magazine Editor's Choice</i>

U.S. Robotics Mobile Communications Corp.

XJ4336	Megahertz 33.6 cellular-capable, PC Card modem, with XJACK
NJ18000R	Allpoints Wireless Type II PC Card delivering real-time, two-way access to RAM networks for e-mail, faxing, databases and messaging
XJ1336	Megahertz 33.6 PC Card modem, X2 upgradeable with XJACK
SP1336	Sportster 33.6 PC Card modem, X2 upgradeable with XJACK.

Nokia Mobile Phones

GSM0080094	DTP-2 ver II, Nokia Cellular Data Card for Nokia 2110
GSM0080095	DTP-2 ver II, Nokia Cellular Data Card for Nokia 8110
PCS-1900 0085109	DTP-8 ver II, Nokia PCS Data Card
PDC0085040	DTP-6C Nokia Cellular Data Card
0270941	Nokia Cellular Data Suite

Option International

PCMCIA60	GSM Ready 33.6 PSTN Data/FAX (and 9.6 GSM Modem)
GSMKIT01	GSM Activation Kit for Panasonic G400/G350/G500
GSMKIT02	GSM Activation Kit for Siemens S3/S3 Plus/S3 Com AT&T 3242/3245 and Sony M-D100/200
GSMKIT03	GSM Activation Kit for Siemens S4 and Sony CM-DX 1000
GSMKIT04	GSM Activation Kit for Philips PR747/PR747-II/PR748, Nokia 2110/2110i/6080 and Hitachi CR-D500
GSMKIT06	GSM Activation Kit for Ericsson GH388/GH337 and Sharp TQ-G450
GSMKIT07	GSM Activation Kit for Nokia 8110, 8148

Com 1

MC217GSM	PC Card 14.4 PSTN/9.6 GSM Modem
MC218GSM	PC Card 33.6 PSTN/9.6 GSM Modem/ISDN
GDAAA0001	Com1 GSM Activation Kit for Panasonic G350, G400, G500
GDAAA0004	Com1 GSM Activation Kit for Motorola 8400, 8700, d460
GDAAA0005	Com1 GSM Activation Kit for Sony CMDX 1000, Siemens S4
GDAAA0006	Com1 GSM Activation Kit for Sony CMDZ1
GDAAA0007	Com1 GSM Activation Kit for Alcatel HC 1000
GDAAA0008	Com1 GSM Activation Kit for Matra, AEG, Nortel

LAN ADAPTERS

LAN adapters offering ODI and NDIS drivers for compatibility with major network operating systems with Hot Insertion for true plug-and-play functionality and onboard status light to indicate real-time network status and activity.

U.S. Robotics Mobile Communications Corp.

XJ10BC	Megahertz PC Card Ethernet adapter, XJACK, for 10Base-T/2
XJEM3336C	Megahertz 33.6 cellular-capable, LAN/Modem PC Card, 10Base-T/2 with XJACK

MULTIMEDIA ACCESSORIES

CNF Portable Peripherals

External CD players that attach via the PC Card (PCMCIA) slot allow you to fully utilize most CD-ROM disks, play the latest CD games, or listen to music. CNF's CARDport CD with "plug and play" capability via the PC Card (PCMCIA) slot allows you to fully utilize most CD-ROM disks. With four different power sources and ultra-low power draw, the one-pound portable CARDport CD opens the door to unlimited CD-ROM enjoyment. Additionally, CNF offers a 17-key numeric keypad that attaches via the PS/2 port. Support is available for OS/2 V2.11, OS/2 WARP, Windows 3.1, DOS 3.0 and higher, and Windows 95.

70296X	CNF CARDport™ 6X CD, portable CD-ROM
702910X	CARDport™ 10X CD, portable CD-ROM.
7033	CARDport™ External Speaker System with integrated microphone and power via DIN (PS/2) attachment.
1804BY	CNF 17-Key Numeric Keypad (black) with DIN(PS/2) attachment

PERSONAL ORGANIZERS

Pocket-sized organizers that are always in touch with your ThinkPad. in your shirt, in your hand and in your schedule. The Pilot pocket-organizer is replete with personal information management applications including Lotus Organizer, English, French and German versions are available now.

Palm Products, division of U.S. Robotics

Palm Pilot Personal:	2500 addresses, 2400 appointments, 500 to-do memos and 500 memos
Palm Pilot Professional:	4000 addresses, 2400 appointments, 750 to-do memos and 750 memos

POWER ACCESSORIES

Lind Electronics

Lind offers automobile power adapters and portable power packs that are fused and regulated for safety specifically designed for use with IBM ThinkPads. They provide the same power as the ThinkPad AC adapters and allow the battery to charge (except the Portable Power Pack) while the system operates at full functional speed (processor, display and I/O devices) in an automobile.

APA-2522	Auto Power Adapter for ThinkPad 350 and 730T
APA-2023	Auto Power Adapter for ThinkPad 500 and 510
APP-16	84WH Portable Power Pack for ThinkPad 365, 380, 385 and 560
APP-160-1	60WH Portable Power Pack for ThinkPad 365, 380, 385 and 560
APP-160-2	60WH Portable Power Pack for ThinkPad 760, 755, 750, 720 and 700
APA-1635	EmPower™ Auto/Airlines 12V DC Power adapter for all ThinkPad's except for the 730T, 350, 500 and 510.

Xtend Micro Products, Inc.

Xtend Micro Products is a designer, manufacturer and marketer of high-quality power accessories for notebook computers. Xtend's ThinkPad batteries are designed and tested for total compatibility. The MicroBolt DC auto adapter is a small and lightweight auto power adapter for on-the-go ThinkPad power and battery recharging. The microprocessor-controlled HyperCharger recharges up to two batteries at once and can even "rapid charge" batteries while you are using your computer elsewhere. (Available as ThinkPad Proven in U.S. and Canada only.)

P303	PowerBundle for ThinkPad 355, 360, 750, 755C and 755Cs—contains notebook computer battery and MicroBolt DC auto adapter.
P304	PowerBundle for ThinkPad 355, 360, 750, 755C and 755Cs—contains notebook computer battery and HyperCharger/Conditioner.
P305	PowerBundle for ThinkPad 355, 360, 750, 755C and 755Cs—contains notebook computer battery and MicroBolt DC auto adapter and HyperCharger/Conditioner

REMOTE CONTROL SOFTWARE

Artisoft, Inc.

With remote control software, you can establish a connection via LAN or modem between a remote ThinkPad and another PC for diagnostic purposes or to exchange data. Artisoft's CoSession Remote software, which is preloaded on many ThinkPads, is complemented by the following software available in many languages:

65000	CoSession for Windows Host
65001	CoSession for Windows Two PC Package
65003	CoSession for Windows Remote
65010	CoSession for Windows Host Ten Pack
65011	CoSession for Windows Remote Ten Pack

SCSI HOST ADAPTERS

Adaptec, Inc.

SCSI adapters allow you to attach up to seven peripherals including CD-ROMs, removable drives (Iomega Zip/Jaz, Syquest and magneto-optical drives), hard drives, scanners and tape drives to your ThinkPad. Adaptec's MiniSCSI host adapters attach to the parallel (printer) port and provide an easy-to-install, affordable SCSI connection. The SlimSCSI adapters let you connect high-performance SCSI peripherals via the PC Card (PCMCIA) slot.

APA-358	MiniSCSI-1. Parallel to SCSI host adapter. For all ThinkPads. Features a 50-pin low-density, Centronics-style (SCS-1/Parallel) connector.
APA-358A	MiniSCSI-2. Parallel to SCSI host adapter. For all ThinkPads. Features a 50-pin high-density, (SCSI-2) connector.
APA-1460A-2	SlimSCSI, the Universal SCSI Connection. A deluxe SCSI PC Card solution for high-performance SCSI peripherals. For all ThinkPads. "PC Magazine Editor's Choice."
APA-1450A	SlimSCSI for Removable Drives. A SCSI PC Card for Zip, Jaz and other removable drives. For ThinkPads running Windows 95.

SECURITY PRODUCTS

Compu-Lock, Inc.

Compu-Lock's lock and cable set provides physical security for ThinkPads and their docking stations.

TL-NS	Compu-Lock NoteSaver for all current ThinkPad models with the security slot
TL-750	Compu-Lock Tote-lock for older ThinkPad models without the security slot
TL-DS	Compu-Lock Tote-lock for Dock I

Compu-Lock's TravAlert protects your ThinkPad while traveling. You can rest easy knowing that if you or your ThinkPad bag are separated by more than 9-12 feet, a piercing 110 decibel alarm on the bag will sound continuously until the distance between you and your bag is less than 9 feet.

TA1	TravAlert Mobile Alarm System
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Port, Inc.

Port's DEFCON1 is the most advanced protection for your ThinkPad and the priceless data it contains. A motion detector, an LED, a loud buzzer and a security cable add up to some of the best protection available for your ThinkPad.

DEFCON1	DEFCON1 Electronic Security lock with motion detector
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STORAGE DEVICES

Optional storage devices provide application flexibility with fast, reliable ways to increase the hard drive storage capacity of your ThinkPad. They provide fast file transfers or backups with direct access retrievals.

VST Technologies, Inc.

The VST Technologies Zip™100 UltraBay Device for your ThinkPad is ideal to "organize, move and backup your stuff". Expand your Hard Drive without limits.

ZipIBM	Zip™100 UltraBay for ThinkPad 760/765
ZipIBM2	Zip™100 UltraBay for ThinkPad 770

WIRELESS MESSAGING

PageMart, Inc.

InfoAdvantage from PageMart allows ThinkPad users to receive wireless e-mail and messages, business and world news, and other important information via PageMart's nationwide satellite wireless messaging system. The InfoAdvantage solution includes a Motorola PCMCIA Newscard wireless messaging card and WinBeep software from Fourth Wave software, Inc. for sending and receiving messages via the PageMart service. (Available in U.S. and Canada only.)

ThinkPad Proven Partner Directory

Product information and locations where ThinkPad Proven products are available can be obtained from the IBM PC Company Fax system at 1-800-IBM-3395 (1-800-426-3395) or 919-517-0011, and ask for this document #11900. Information is also available from ThinkPad Proven Partners or their distributors or dealers using the Internet address, telephone or fax numbers listed below.

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9-97
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