

Advanced touch-screen technology designed for retailers



IBM 4695 Point-of-Sale Distributed/Integrated Touch Terminal

Highlights

Leading touch technology

New, faster models

Larger, brighter LCD screens

High-speed Ethernet

Excellent reliability

Greater capacity HDD's

Small footprint

Easy to learn and use

Rugged, spillproof construction

Year 2000 Ready¹

Designed for retailers

The 4695 POS Touch Terminals provide the leading infrared touch technology coupled with robust construction and elegant packaging. This attractive combination of technology, ruggedness and small footprint is ideally suited to retail and service industry applications.

Large touch screens

The large flat-panel touch screens are ergonomically designed for efficient checkout operation. The wide viewing angle and quick refresh time of the active matrix display models allow full-motion video for applications such as operator training and marketing messages.

All models use infrared touch technology which is extremely reliable and does not require re-calibration. It also allows the 4695 to be used with gloved hands, which is a benefit in areas like food preparation. The display can tilt (and also swivel on some models) to provide comfortable viewing by sales associates sharing the terminal.

Environmentally hardened for rigorous use

The 4695 has been specifically designed for the rigors of the food service and hospitality sectors of the retail industry. A special manufacturing process molds the front cover, infrared touch bezel and the LCD protective glass together into a seamless component. The LCD screen is made of hardened glass which is resistant to sharp objects and scratches. The result is a sturdy unit that is tolerant of dirt and moisture, is easy to clean and offers greater system availability than a non-hardened terminal.



4695 Distributed Touch Terminals

The distributed 4695 models consist of freestanding color touch displays with the capability to attach other POS I/O devices. Model 022 provides a large 307-mm (12.1-in.) LCD display and Model 032 provides a 264-mm (10.4-in.) display using Thin-Film Transistor (TFT, or Active Matrix) technology with a wide viewing angle and brighter, sharper image. The displays are mounted on a pedestal unit that can be fastened to the countertop, presenting a low profile and occupying a minimum of valuable counter space, or it can be fastened to a wall. An optional bi-directional three-track magnetic stripe card reader (MSR) attaches to the side of the touch display, providing the ability to read credit or debit cards.

A vacuum fluorescent display with two lines of 20 characters can be integrated into the back of the pedestal for easy viewing by the customer. Alternatively, one of several IBM 2x20 displays can be pole-mounted near the pedestal. Several options in IBM cash drawers can also be attached. The displays and cash drawers attach through POS ports at the rear of the pedestal using concealed cable routing.

The 4695 Models 022 and 032 attach to an IBM 4694 POS terminal system unit, or an IBM PC or compatible PC system unit. Because of its environmental hardening, the IBM 4694 Model 124 is particularly well suited as a system unit in a food service environment. You can attach the 4695 Models 022 and 032 to these system units through the IBM 4695 POS Adapter Card II. You can also attach a variety of POS I/O devices to the system units, such as printers, cash drawers and displays. (For details on these I/O devices, see the IBM 4694 specification sheet.)

Available in ISA format, the POS adapter provides 128 KB of nonvolatile memory. This memory is available to applications to retain vital data, such as terminal totals, through power outages. Up to three 4695 distributed terminals can be attached to a system unit, subject to application support and feature slot availability, providing price/performance benefits. System units can be placed under the counter or at another convenient location up to 9 m (30 ft) from the 4695 terminal.

IBM 4695 Point-of-Sale Distributed Touch Terminals at a glance

Standard features	<ul style="list-style-type: none">• Pedestal-mounted, spillproof LCD with infrared touch screen; back light illumination; tilt and swivel adjustments• Three POS I/O ports (two cash drawers, one customer display)• Choice of system units: IBM 4694 (Model 124 environmentally hardened for food service) or IBM or compatible PCs• Power: 60-watt external universal power supply, sealed for retail environment
Models	<ul style="list-style-type: none">• Model 022: 307-mm (12.1-in.) color passive technology LCD (800x600)• Model 032: 264-mm (10.4-in.) color active matrix technology LCD (640x480)
Optional features	<ul style="list-style-type: none">• Bi-directional, three-track magnetic stripe card reader (MSR)• Dual-sided magnetic stripe card reader for JUCC cards• 4695 POS adapter provides for attachment of one distributed terminal to system unit; 1 MB VRAM supporting up to 256 colors; 128 KB nonvolatile memory; available in ISA format• Cash drawers<ul style="list-style-type: none">- Cash drawer: 475 mm (18.7 in.) wide; media slot; lock: removable tills with fixed or adjustable compartments- Compact cash drawer: 330 mm (13 in.) wide; media slot; lock; vertical or horizontal bill storage in removable-till inserts- Flip-top cash drawer: top cover opens for removable-till access; lock• Integrated Display Option:<ul style="list-style-type: none">- Vacuum Fluorescent Display II: 2x20 characters formed in 10.5 mm (0.4 in.) high, 5x7 dot matrix; viewing distance 2 m (7 ft)• Distributed (Pole-Mounted) Display Options:<ul style="list-style-type: none">- LCD: back-lit; 2x20 characters formed in 8-mm (0.3-in.) high, 5x7 matrix; viewing distance 1.5 m (5 ft); two displays on one pole can show different messages.- Vacuum Fluorescent Display: 2x20 characters formed in 11.8-mm (0.5-in.) high, 5x12 matrix; viewing distance 2.3 m (7.5 ft)- Vacuum Fluorescent Display II: Same as integrated VFD II above- Character/graphics vacuum fluorescent display: characters formed in 16.5-mm (0.65-in.) high, 8x16 dot matrix; viewing distance 3.4 m (11 ft); 160x36 dot matrix in graphics mode; 24 guidance lights- Shopper Display: One row of 14-mm (0.5-in.) high numerics formed with seven bar segments; six function indicators; viewing distance 2.7 m (9 ft)

Dimensions	<i>Model 022</i>	<i>Model 032</i>
Width	339 mm (13.3 in.) without MSR	312 mm (12.3 in.) without MSR
Depth	342 mm (13.5 in.)	305 mm (12.0 in.)
Height	206 mm (8.1 in.) (horizontal screen) 365 mm (14.4 in.) (vertical screen)	206 mm (8.1 in.) (horizontal screen) 349 mm (13.7 in.) (vertical screen)
Weight	4.8 kg (10.6 lb)	4.8 kg (10.6 lb)

Note: Magnetic Strip Reader (MSR) adds 25 mm (1 in.) to the width on all models when installed.

Operating systems	IBM provides POS Subsystem (POSS) drivers to support the 4695 on the following operating systems and environments: <ul style="list-style-type: none">• DOS 7.0, 2000• Microsoft® Windows® 95/98• Microsoft Windows 3.1/3.11• Microsoft Windows NT® 4.0• OS/2® Warp 4.0• OLE for Point-of-Sale (OPOS) 1.4.0• SCO/UNIX – POSS drivers available through SCO/UNIX
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Note: IBM POSS drivers for the 4695 can be downloaded from the IBM Retail Store Solutions web site at www.ibm.com/solutions/retail

Limited warranty²	One year, on-site
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IBM 4695 Point-of-Sale Integrated Touch Terminals at a glance

Standard features	<ul style="list-style-type: none">• Processor: Intel® 200 Mhz Pentium® MMX (pluggable)• Memory: two DIMM sockets with 16 MB, expandable to 128 MB;• 128 KB nonvolatile memory; 256 KB level 2 cache• LAN: Integrated 10/100 autosensing PCI Ethernet• Ports:<ul style="list-style-type: none">- two RS-232 serial- one parallel- external CRT (SVGA)- PC keyboard and mouse- two RS-485 POS I/O- two cash drawer ports• Spillproof LCD with infrared touch screen; back light; tilt adjustment• PCI video with 2 MB of VRAM capable of up to 16.7 M colors
Models	<ul style="list-style-type: none">• Model 322: 307-mm (12.1-in.) 16.7 M color passive technology LCD (800x600)• Model 342: 307-mm (12.1-in.) 16.7 M color active matrix LCD (800x600)
Optional features	<ul style="list-style-type: none">• All I/O devices listed under the Distributed table plus the following:• Enhanced alphanumeric keyboard• 1.44-MB external diskette drive• 3.2-GB or larger HDD• RS-232 adapter; provides two additional RS-232 ports or• PCMCIA expansion feature card for system board; accepts two Type I or II adapters or one Type III adapter (exclusive with the RS-232 adapter)• Optional keylock

Dimensions	<i>Model 322</i>	<i>Model 342</i>
Width	339 mm (13.3 in.) without MSR	339 mm (13.3 in.) without MSR
Depth	330 mm (13.0 in.)	330 mm (13.0 in.)
Height	310 mm (12.2 in.)	310 mm (12.2 in.)
Weight	5.1 kg (11.2 lb)	5.1 kg (11.2 lb)

Note: Magnetic Strip Reader (MSR) adds 25 mm (1 in.) to the width on all models when installed.

Operating systems	IBM provides POS Subsystem (POSS) drivers to support the 4695 on the following operating systems and environments: <ul style="list-style-type: none">• DOS 7.0, 2000• Microsoft Windows 95/98• Microsoft Windows 3.1/3.11• Microsoft Windows NT 4.0• OS/2 Warp 4.0• OLE for Point-of-Sale (OPOS) 1.4.0• SCO/UNIX – POSS drivers available through SCO/UNIX
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Note: IBM POSS drivers for the 4695 can be downloaded from the IBM Retail Store Solutions web site at www.ibm.com/solutions/retail

Limited warranty²	One year, on-site
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Note: Not all devices are available in all countries. See your IBM Marketing representative or an authorized dealer for information.

4695 Integrated Touch Terminal

The integrated 4695 models each provide a 307-mm (12.1-in.) touch display with a self-contained, integrated system unit that can attach other I/O devices. Model 322 provides an LCD passive technology, color touch display; Model 342 provides an active matrix technology, color touch display. The integrated 4695 models utilize IBM ThinkPad® technology, which contributes to the attractive packaging and small footprint. Both systems feature an Intel® 200 MHz Pentium® MMX pluggable processor. 16 MB memory is standard and expandable to 128 MB. Included in the system is a high speed 10/100 autosensing Ethernet LAN and SVGA support. An optional, bi-directional, three-track magnetic stripe card reader (MSR) attaches to the side of the touch screen, providing the ability to read credit or debit cards.

Available I/O ports are two RS-232 ports, one parallel port, one external CRT port, PC keyboard and mouse ports and four POS ports. One POS port can be used to connect the IBM 7497 Attachment Kit, which supports all IBM POS (including country-specific) I/O devices. The MSR attaches directly to the touch screen and does not require a separate port.

Available options include an integrated hard drive, an external diskette drive, and either an RS-232 adapter that provides two additional ports or a PCMCIA expansion feature card. This feature card attaches to the system board and provides for the use of two Type I or Type II PCMCIA adapters or one Type III PCMCIA adapter.

A variety of I/O devices, including printers, cash drawers and displays are available for attachment to the integrated system units. (For details on these I/O devices, see the IBM 4694 Specification Sheet.)

Front view of the Distributed IBM 4695 Terminal with touch screen and magnetic stripe card reader.



Rear view of the Integrated IBM 4695 Terminal with customer display. Combines touch screen with a high-performance processor and Ethernet.



Investment protection with growth opportunity

The new 4695 models secure previous hardware investments by maintaining compatibility with your existing 4695 models and I/O devices. The pluggable processor, multiple memory sockets, multiple I/O ports and a feature card slot provide you with upgrade options as your business grows.

Configuration options

The IBM 4695 is available in both distributed and integrated models. The new integrated models can take advantage of the high-speed Ethernet support to implement a thin client configuration that could result in lower system maintenance costs.

Excellent price/performance

If you require a reliable, high-performance, POS touch terminal in a small package, the IBM 4695 is an excellent choice. With its advanced design, wide range of options and environmental hardening, you get the leading solution-at an affordable price.

For more information

To find out more about IBM 4695 POS Touch Terminals:

- Contact your local IBM representative.
- For sales assistance in North America, call 1 800 IBM-4YOU (1 800 426-4968).
- To place an order in North America, call IBM Direct at 1 800 IBM-CALL (1 800 426-2255).
- In Europe, Middle East and Africa call 33 1 41 88 60 00.
- You can also access IBM Retail at www.ibm.com/solutions/retail.
- Obtain copies of this and other related product specification sheets from the IBM Fax Information Service by dialing 1 800 IBM-4FAX (1 800 426-4329) in North America or by dialing 1 415 855-4329 from outside the U.S. and Canada and requesting document number 4875: IBM 4695 Point-of-Sale Distributed/Integrated Touch Terminal.



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