



## The IBM 4694 Point-of-Sale System



*A powerful combination of POS flexibility  
and affordability for retail performance  
today and tomorrow.*





### **Highlights**

**Retail Ready:**

*Fast processing, ample memory and quick connectivity for maximum uptime.*

**Flexible, Open Systems:**

*Run the operating system of your choice or get Windows® NT software preloaded.*

**Investment Protection:**

*Accommodate current I/O devices and upcoming I/O and applications as they become available.*

*POS solutions for forward-thinking retailers.*



### **Retail Reliability**

The IBM 4694 Point-of-Sale (POS) delivers the power, performance and reliability retailers need to help them run an efficient, profitable business whether they manage a single specialty boutique or a global chain of multiformat stores.

That's why Models 245 and 205 feature 300 MHz processors and 10/100 Ethernet connectivity, plus enhanced video memory, hard file capacity and cache. So you can make your POS systems do more — such as take advantage of new applications written in Java™ — without sacrificing network speed or compromising customer service.

Through our relationship with Microsoft®, we offer Models 4694-LNT and 4694-SNT with preloaded Windows® NT software. They provide all the functionality of Models 245 and 205 respectively, with 4.2 GB hard disk drives and 64 MB of memory standard.

We also added completely new features to Models 245 and 205, such as Wake on LAN™ functionality for remote diagnostics and software maintenance. You'll also find two Universal Serial Bus (USB) ports that let you take advantage of many new I/O options.

### **Retail Hardened**

We engineered the new 4694 models exclusively for retail operations. Nonvolatile memory protects vital POS information — such as terminal totals — during unexpected power outages. Cash drawers are stress tested to absorb the impact of coin rolls and drawer slamming. And the packaging is designed to safeguard electronics against dust, dirt, humidity, food hazards and spills.

### **Flexible Configurations**

The 4694 lets you specify the POS configuration that suits you best. Choose from a variety of displays, keyboards, cash drawers and printers. We also accommodate retailers' needs for all-in-one integration or space-saving distributed configurations.

Model 245 is ideal for rapidly growing businesses, multistore arrangements and larger, cross-format stores. It gives retailers more options for ports and connectivity, so you

can expand performance with your operation. And its 17-inch-wide footprint integrates the system unit, cash drawer, keyboard and display.

Model 205 is designed for dedicated stores. Its 12-inch footprint saves counter space yet provides first-class processing. It integrates a 50-key keyboard, printer and 2 x 20 display, and keeps the cash drawer and system unit under the counter.

### **Investment Longevity**

When you choose the 4694, you can remain confident you're selecting the ideal combination of POS power for today and tomorrow without eroding the investments in equipment and software you've already made.

The 4694 is also one of the most open POS platforms in the world, and runs applications on Windows® 98/95/3.1/NT, 4690, SCO-UNIX and DOS. And its ISA/PCI open architecture offers a wide range of adapters from OEMs, which lets retailers keep most current operating systems and applications or switch to different ones without buying new equipment.

The 4694 also protects your I/O investment. It accepts current I/O configurations, and gives you the ports and connections to accommodate new equipment as it becomes available.

### **Worldwide Leadership**

Developed for the global market, the 4694 addresses many needs of retailers in more than 100 countries around the world. The system was designed to operate effectively in various retail segments worldwide, and accommodates country-specific power requirements as well as country-imposed fiscal laws. The 4694 is built with the capabilities to grow, expand and reach far across the world and aid in globalizing your retail enterprise.

### **Visit our Website**

<http://www.ibm.com/solutions/retail>



## IBM 4694 Point-of-Sale Terminals at a glance

### Standard Features

- Architecture: PCI/ISA bus
- Memory:
  - 245/205/LNT/SNT: Two DIMM sockets for memory expansion
  - 244'/144/124/104: Four SIMM sockets for memory expansion
- Ports:
  - 245/205/LNT/SNT: RS485 for attaching and powering POS I/O; two cash drawer; two RS232 serial; PC keyboard; mouse; two USB
  - 244'/144/124/104: RS485 for attaching and powering POS I/O (number varies by model); two cash drawer; two RS232 serial; PC keyboard; mouse
- 32 KB nonvolatile RAM
- 512 K L2 cache (245/205/LNT/SNT only)
- Expansion Slots: Two full-size slots (ISA or PCI/ISA)
- Storage: 1.44 MB, 3.5-inch diskette drive
- Video: Standard on all models (except Model 124)
- Connectivity:
  - 245/205/LNT/SNT: 10/100 Ethernet
  - 244'/144/124/104: Ethernet 10 Base T
- Front-mounted 4690 OS Dump Switch (Models 245/205/LNT/SNT only; optional on Models 104/144/244')
- Recyclable covers and chassis

### Model Specific

- Model 245: AMD-K6®-2/300 MHz processor; 32 MB memory (2 DIMM slots on planar, max 256 MB); eight PC ports (two standard PC USB ports, CRT, keyboard, mouse, parallel port, 2 RS232 ports); six RS485 POS I/O ports (printer, keyboard, display, three scanner/nonvideo display); two cash drawer ports; SVGA video with 2 MB DRAM; one parallel port; one full-size ISA and one full-size PCI/ISA feature card slot; diskette keylock; front service; standard footprint
- Model 205: AMD-K6®-2/300 MHz processor; 32 MB memory (2 DIMM slots on planar, max 256 MB); seven PC ports (two standard PC USB ports, CRT, keyboard, mouse, 2 RS232 ports); four RS485 POS I/O ports (printer, keyboard, display, one scanner/nonvideo display); two cash drawer ports; SGVA video with 2 MB DRAM; two standard PC USB ports; small footprint
- Model LNT: AMD-K6®-2/300 MHz processor; 64 MB memory (2 DIMM slots on planar, max 256 MB); 4.2 GB HDD; eight PC ports (two standard PC USB ports, CRT, keyboard, mouse, parallel port, 2 RS232 ports); six RS485 POS I/O ports (printer, keyboard, display, three scanner/nonvideo display); two cash drawer ports; SVGA video with 2 MB DRAM; one parallel port; one full-size ISA and one full-size PCI/ISA feature card slot; diskette keylock; front service; standard footprint
- Model SNT: AMD-K6®-2/300 MHz processor; 64 MB memory (2 DIMM slots on planar, max 256 MB); 4.2 GB HDD; seven PC ports (two standard PC USB ports, CRT, keyboard, mouse, 2 RS232 ports); four RS485 POS I/O ports (printer, keyboard, display, one scanner/nonvideo display); two cash drawer

ports; SGVA video with 2 MB DRAM; two standard PC USB ports; small footprint

- Model 244': AMD-K6®/266 MHz 64-bit socketed processor; 8 MB or 16 MB memory expandable to 128 MB with 4 MB, 8 MB, 16 MB or 32 MB SIMMs (capable of 128 MB memory); six RS485 POS I/O ports (nonvideo display, printer, keyboard, 3 scanner/nonvideo display); SVGA video with 1 MB DRAM; one parallel port; one full-size ISA and one full-size PCI/ISA feature card slot; diskette keylock; front service; standard footprint
- Model 144: IBM 100 MHz 5x86C 32-bit socketed processor; 4 MB or 16 MB memory expandable to 64 MB with 4 MB, 8 MB or 16 MB SIMMs; four RS485 POS I/O ports (nonvideo display, printer, keyboard, scanner/nonvideo display); two full-size ISA feature card slots; SVGA video with 1 MB DRAM; one parallel port; diskette keylock; front service; standard footprint
- Model 124: IBM 100 MHz 5x86C 32-bit socketed processor; 4 MB or 16 MB memory expandable to 64 MB with 4 MB, 8 MB or 16 MB SIMMs; environmentally hardened for food service environment; four RS485 POS I/O ports (nonvideo display, printer, keyboard, scanner/nonvideo display); two full-size ISA feature card slots; diskette keylock; small footprint
- Model 104: IBM 100 MHz 5x86C 32-bit socketed processor; 4 MB or 16 MB memory expandable to 64 MB with 4 MB, 8 MB or 16 MB SIMMs; four RS485 POS I/O ports (nonvideo display, printer, keyboard, scanner/nonvideo display); SVGA video with 1 MB DRAM; two full-size ISA feature card slots; small footprint

### System Unit

#### Optional Features (245/205/LNT/SNT)

- 4.2 GB 3.5-inch hard file
- Advanced Power Management (battery backup) with ACPI support
- DMI network management BIOS
- Note: None of the following occupies an ISA expansion slot

### System Unit

#### Optional Features (244'/144/124/104)

- 2.5 GB IDE 3.5-inch hard file (all models except Model 244')
- 3.2 GB 3.5-inch hard file (Model 244')
- Advanced Power Management (battery backup)
- 4690 OS Dump Switch (Models 104, 144 and 244')
- Note: None of the following occupies an ISA expansion slot

### Dimensions

- Model 245/LNT/244'/144: 17.3 in. (440 mm) W x 18.7 in. (475 mm) D x 3.5 in. (89 mm) H; Weight 23.5 lbs (10.7 kg)
- Models 205/SNT/124/104: 12.3 in. (312 mm) W x 18.7 in. (475 mm) D x 3.4 in. (86 mm) H; Weight 16 lbs (7.3 kg)

### Power

- Requirements: 100 - 127 Volts or 200 - 240 Volts, 50/60 Hz Power Supply Rating
- 160 Watts maximum/60 Watts typical (Model 205/SNT/144/124/104)
- 197 Watts maximum/75 Watts typical (Model 245/LNT/244')

## Keyboards

- Retail Alphanumeric POS Keyboard with MSR: "QWERTY" style alphanumeric keys with 12 function keys, plus 33 reconfigurable, relegendable POS function keys; 7 indicator lights; numeric keypad, MSR, tone, control key and keylock
- Retail POS Keyboard: 49 keys, including 38 customizable POS function keys; 11-key numeric pad; control key used with a POS function key gives an additional 38 POS function keys; 4 indicator lights; two-position keylock; adjustable keyboard tone; numeric keypad in telephone or calculator format
- Retail POS Keyboard with MSR: All the above functions plus integrated, bidirectional 3-track magnetic stripe card reader
- Retail POS Keyboard with MSR and Display: All the above functions plus 40-character LCD operator display
- Retail Modifiable Layout Keyboard with MSR: Matrix of 120 relegendable and reconfigurable POS keys, interchangeable numeric pad may be placed at any of three locations; four indicator lights; MSR, tone, control key and keylock as above

## Displays

- Sure Point Color Touch Screen: 10-inch viewable color LCD (with replaceable backlight; resistive touch technology; optional 3-track MSR; sleep mode; VGA resolution; attaches with flat panel display adapter card or 4695 POS adapter card; power from POS RS485 port)
- Sure Point Monochrome Touch Screen: 9-inch viewable LCD (with other features as above)
- Monochrome Flat Panel: 9-inch viewable LCD with replaceable backlight; uses 90% less power than CRT; sleep mode; VGA; attaches with flat panel display adapter card or 4695 POS adapter card; power from POS RS485 port
- Monochrome CRT: 9-inch viewable screen; SVGA resolution (tilt and rotate; integrates on Model 245)
- Color CRT: 9.1-inch viewable screen; SVGA resolution (tilt and rotate; integrates on Model 245)
- 40-Character Vacuum Fluorescent Display II: Displays up to 40 alphabetic or numeric characters or special symbols in two rows of 20 characters each. Characters are formed with a 5-wide x 7-high dot matrix (approximately 10.5 mm high) and are green in color. Display mounts on a post where it can be tilted and rotated. The display can be easily read from a distance of 10 feet or more, and from an angle of 45 degrees or more.
- Two-sided VFD II: Two displays back to back in one cover can show different messages; does not tilt
- 40-Character Liquid Crystal Display: Backlit; characters form in 8 mm-high 5 x 7 matrix; viewing distance 5 feet; two displays on one pole can show different messages
- Shopper Display: One row of 14 mm-high numerics formed with 7 bar segments; six function indicators; viewing distance 9 feet

## Printers

- IBM 4610 SureMark™ Printer: Two station, thermal receipt, impact document insert printer, receipt prints up to 52 lps
- Model 4: Two station, three functions, 38-character receipt and journal, 86-character document insert for up to 8.5 x 11 in. sheet or form; 240 lpm; front or top loading of checks, forms; Auto-Inking® ribbon cartridge
- Model 4R: All the above functions plus integrated MICR reader

## Cash Drawers

- Full-size Cash Drawer: Integrates with Model 245; media slot; lock; removable tills with fixed or adjustable compartments
- Compact Cash Drawer: Integrates with Model 205; media slot; lock; vertical or horizontal bill storage in removable till inserts with adjustable compartments

## Operating Systems

- 4690 Operating System
- 4690 Operating System with Terminal Services for DOS feature
- 4690 Operating System with Terminal Services for Windows® NT
- Microsoft Windows® 3.1, Windows® 95, Windows® 98 and Windows® NT 3.51 or later with Point-of-Sale Subsystem for Windows device drivers for RS485 attached devices
- IBM DOS 5.02 or later with Point-of-Sale Subsystem for DOS device drivers for RS485 attached devices

## POS Networks

- 10/100 Ethernet; Ethernet 10 Base T; Token-Ring; IBM StoreLoop

## Supported Communications

- Multiprotocol Communications Adapter supports asynchronous, bisynchronous, HDLC or SDLC protocols

## Adapter Cards

- 4695 POS
- Flat Panel Display adapters
- Token-Ring
- IBM StoreLoop
- Multiprotocol Communications
- Parallel port

## Limited Warranty<sup>2</sup>

- One year, on-site service



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- 1 Model 244 will be unavailable to order after December 31, 1999 in Asia Pacific, Latin America and North America. It will be unavailable after May 28, 1999 in Europe, the Middle East and Africa.
- 2 For a copy of the terms and conditions of IBM's Statement of Limited Warranty, please contact your IBM representative or authorized reseller.



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### **Photography**

*Small image on cover:  
4694 Model 245 with standard display*

*Large image on cover:  
4694 Model 245 with flat panel display*

*Large image on inside spread:  
4694 Model 205*