



IBM SureMark™ Printers
The SurePOS™ Family



*Fast, dependable point-of-sale printing for
demanding retail environments*



SureMark



Highlights

Powerful performance

IBM SureMark Printers can make an immediate impact on productivity. At 52 lines per second (lps), high-quality thermal receipt printing is faster than ever before. Impact slip printing handles multipart forms and checks with ease. Redesigned fonts and characters make receipts easier to read for clerks and shoppers alike. And optional single-pass check handling helps reduce the risk of customer or operator error.

Engineered for retail

We designed SureMark Printers for high reliability, with durable hardware and printing mechanisms engineered to deliver steady, hassle-free operation, even in the most demanding retail environments. They offer one of the smallest

Superior speed for POS printing

High-powered POS performance

These quiet, high-quality thermal receipt printers set a new standard for speed in this printer category with 52 lines per second (lps) output. This rapid pace gives retailers the ability to print store logos, coupons and marketing messages on the receipt without compromising transaction time. The fast printing process allows retailers to use applications that print after the completion of the transaction. Which allows POS applications to eliminate voids and group duplicated items. The result is a "clean" receipt that's easier for customers to scan for accuracy.

We also improved legibility with completely redesigned fonts. New character shapes are crisper and clearer. So marketing messages are easier to read and more memorable.

For printing on checks or multipart forms, these printers include an impact slip printing station. What's more, SureMark Printers are completely Euro-ready.

Single-pass check handling

For single-pass check handling, choose Model T14. Operators simply place checks into the impact slip station, and the printer completes the task in just 14 seconds. Inline MICR reading reduces check verification errors. After approval, the printer endorses the back, flips the check and prints on the face of the check. This helps eliminate the chance of errors from dual insertions, and allows POS operators to focus on the customer's needs.

Conventional handling of MICR reading, check endorsing and printing are all available as well. And for retailers who need check handling without MICR reading, we offer Model T13.

footprints in their class, so they fit wherever you need them most. And their simple drop-and-load mechanisms make paper handling quick, easy and virtually error-proof.

Investment protection

SureMark Printers support USB and RS485/RS232 connections. Optional modular interface adapters give you the flexibility to choose the interface that best meets your needs today – then upgrade when the time is right. USB offers several advantages over other interface technologies. With USB, users and service personnel can “hot plug” and “hot unplug” I/O devices without powering down the system unit. Plus, when new devices are added, the system configurations and device drivers are loaded automatically.

Multiuse printer memory

SureMark Printers offer generous flash memory for fail-safe storage of electronic journaling data. Flash memory also keeps barcodes, trailers, graphics, logos and user-defined character tables stored in the printer. With this information resident, the SureMark increases print speed because less data must be transferred from the POS terminal to the printer. An optional 2MB of flash memory is also available (RPQ) for retailers who require additional capacity for temporary storage of electronic journal data.

Easy to use for operators

Drop-and-load paper handling makes refills quick and easy. Changing ribbons is simple, too: just lift off the old cartridge, snap the new one in and turn the knob to move the ribbon into place. We fit all these helpful features in an innovative package with one of the most compact footprints in its class.

Flexible options to protect your investment

SureMark Printers work with a variety of POS hardware configurations, including many non-IBM systems. SureMark Printers support USB and RS485/RS232 via modular adapters. The ability to accept modular interface adapters gives you several options for future system integration. Should your hardware configuration change, it's easy to upgrade SureMark Printers. So you can select the interface that best supports your current hardware investment, then migrate smoothly to new POS platforms – such as the new IBM SurePOS 700 Series, which supports USB connectivity.

For more information

To learn more about IBM POS systems, contact your IBM representative or call IBM Direct at 1 800 IBM-CALL (1 800 426-2255) or (770) 863-1000 outside the U.S. and Canada.

Visit our Web site

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



IBM SureMark Printers at a Glance (All information applies to Models T13 and T14 unless otherwise indicated)

Speed

- Thermal receipt station:
 - 52 lines per second at 8 lines per inch
 - 39 lines per second at 6 lines per inch
 - Impact slip station: 4.3 lines per second
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Interfaces

- USB
 - For attachment to the IBM SurePOS 700 Series (no separate power supply required)
 - For attachment to PCs and other POS vendors' terminals (power supply required, see optional features)
 - RS-485
 - For attachment to IBM 4683, 4693 and 4694 POS Systems, and IBM 7497 POS Attachment Kit
 - Separate power supply not required
 - RS-232
 - For attachment to the IBM 4614 SureOne™ POS Terminal, IBM 4695 POS Terminals, PCs or other POS vendors' terminals
 - DTR/DSR or XON/XOFF communications mode
 - 9-pin D-shell connector at 9.6 Kbaud or 19.2 Kbaud
 - Power supply required (see optional features)
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Printing characteristics

- Thermal print resolution: 8 dots per mm (203 dots per in.)
 - Font A
 - 10 x 20 dot characters at 15 or 17 characters per inch
 - Receipt: 44 or 48 characters per line on 80mm (3.15 in.) paper
 - Slip: 47 or 52 characters per line on inserted documents
 - Font B
 - 12 x 24 dot characters at 12 characters per inch
 - Receipt: 34 characters per line on 80mm (3.15 in.) paper
 - Slip: 37 characters per line on inserted documents
 - Additional choices
 - Double-wide or double-high characters
 - Underscore (Receipt only)
 - Reverse image (Receipt only)
 - 90° rotation of characters (Receipt only)
 - Portrait or landscape (Slip only)
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Resident character sets

- Code pages: 437 (U.S.), 858 (international), 860 (Portuguese), 863 (Canadian French), 865 (Norwegian)
 - User-specified: 4 additional thermal and 2 additional matrix code pages
 - Euro-ready
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Resident barcode formats

- UPC A/E, EAN 8, EAN 13, JAN 8, JAN 13, Code 39, ITF, Code 93, Code 128, Codabar, PDF 417
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Flash memory usage

- 16 KB data buffer RAM
 - Microcode (can be updated by user)
 - 256 KB accessible to user for storage of:
 - Fixed messages
 - Logos and graphics
 - Additional code pages
 - Electronic journal or other user data storage
 - Optional 2MB flash memory for temporary storage of electronic journal data is available via RPQ
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Features of Model T14

- MICR: Reads EI3B and CMC7 fonts. Auto Switch feature detects which format is being used and decodes accordingly
 - Check-handling feature: Under program control MICR is read and sent to POS, check is franked, flipped over and printed on face
 - Flipped documents dimensions: 66mm to 101mm width (2.6 in. to 4.0 in.); 80mm to 223mm length (3.14 in. – 8.8 in.)
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Additional standard features

- Cutter
 - Receipt out-of-paper sensor
 - Top and bottom of document sensors
 - Cash drawer port (supports two cash drawers)
 - Cash drawer uses a standard RJ11 connector
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Optional features

- Powered USB and RS-485 cables for attachment to IBM POS Systems
 - Standard USB and RS-232 cables for attachment to PCs
 - Universal power supply for use with USB and RS-232 attachment
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IBM SureMark Printers at a Glance (continued)

- Dimensions**
- 190.5mm W (200.5mm W with overhanging ledge) x 272mm D x 144mm H front, 190mm H back
 - 7.5 in. W (7.89 in. W with overhanging ledge) x 10.7 in. D x 5.5 in. H front, 7.5 in. H back
 - Weight: Model TI3 4.4 kg (9.6 lbs), Model TI4 4.8 kg (10.5 lbs)
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- Supply specifications**
- Thermal paper
 - POS grade (may be recycled with other paper products)
 - Width: 80mm (3.15 in.)
 - Diameter of roll: 80mm (3.15 in.)
 - Ribbon: Epson ERC35 or equivalent (black or purple)
 - Forms
 - Single and multipart forms
 - Original and two or more clear copies depending on form thickness
 - Minimum width 66mm (2.6 in.); minimum length 80mm (3.15 in.)
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- Operating systems**
- Drivers are available for RS-485 attachment using:
 - 4690 OS V1 at maintenance level 9910, 4690 OS V2, or 4690 OS V2R3 (when available). 4690 OS V2R3 includes JavaPOS
 - IBM PC DOS 2000 with Point-of-Sale Subsystem for DOS V 1.6.0 + delta package 160(b)
 - Drivers are available for both RS-485 and USB attachment using:
 - 4690 OS V2 R3 (when available). 4690 OS V2R3 includes JavaPOS
 - Windows® 98 2nd Edition or Microsoft Windows NT® 4.0 (only RS-485 attachment is supported on Windows NT 4.0)
 - OPOS V1.4.1
 - JavaPOS V1.4.1
 - Point-of-Sale Subsystem for Windows V2.1.0
 - Windows 2000 Professional Edition (when available)
 - OPOS V1.4.2
 - JavaPOS V1.4.2
 - Point-of-Sale Subsystem for Windows V2.1.0
 - No driver is required for RS-232 attachment
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- IBM application support with 4690 OS or Windows NT**
- 4690 Terminal Services for Windows NT is required when using Windows NT 4.0 or Windows 2000 as the operating system
 - SurePOS ACE
 - Chain Drug Sales Application at maintenance level 9701 plus PRPQ 5799-QYP
 - 4680/4690 Supermarket Application at maintenance level 9701, APAR IR33229 plus PRPQ 5799-QYL
 - 4680/4690 General Sales Application at maintenance level 9701, APAR IR33228 plus PRPQ 5799-QYN
 - Electronic Journal function for above applications PRPQ 5799-QXL
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- IBM application support with DOS**
- Retail Application (RS-232/RS-485 attachment only)
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- Limited warranty¹**
- 1 year
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- ISO certification**
- IBM's Retail and Distribution Solutions development and manufacturing organizations are ISO 9001 certified
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