



Peripherals

IBM SureMark Printers – Single-station models

Sales reference guide

Summary

Single-station models of the IBM SureMark™ Printer family are engineered to deliver high reliability and fast, quiet, precise thermal printing in a wide range of harsh retail environments. For example, in specialty stores, single-station printers can withstand exposure to dust, dirt, electrostatic shock and vibration, while an optional spill-resistant cover protects against liquid hazards in food service. They also deliver up to 52 lines per second (lps) for Single Byte Character Set (SBCS) output, or 50 lps for Double Byte Character Set (DBCS) fonts. Ideal for retailers that don't typically accept checks or process forms, these printers can help our customers reduce transaction times, customize receipts with marketing messages and maximize uptime at the point of sale (POS) to deliver a superior customer experience.

Key messages

1. IBM SureMark Printers deliver exceptional print quality

They use the latest advances in thermal printing to ensure quiet, high-quality receipt output. TrueType fonts enable newspaper style printing with proportional, scalable characters that attract attention and improve the readability of targeted marketing messages.

Retailers can also use thermal paper to highlight special offers, savings totals, loyalty points and other details in a high-impact accent color (red or blue).

2. IBM SureMark Printers are easy to use

In all models, it is easy to change paper rolls quickly to optimize cashier productivity while reducing customer wait-time. To keep reloads to an absolute minimum, retailers can use 90mm-diameter rolls or an optional bracket that allows even larger rolls to be mounted under a countertop. These printers are also easy to service because of their simple, snap-together design. Single-station models also feature a small footprint and consume very little counter space. In fact, retailers can choose the optional wall-mount with upside-down

printing to keep the printer off the counter entirely, yet have receipts stay right-side up as they exit the wall-mounted unit.

3. IBM SureMark Printers can customize receipts

By storing logos, barcodes and graphics in flash memory for rapid retrieval, IBM SureMark Printers allow retailers to print complex images on receipts without increasing customer wait-time. This creates powerful marketing opportunities at the POS. Retailers can add their logos to receipts to build their brand image, use barcodes to expedite returns, or provide personalized offers to loyal customers.

4. IBM SureMark Printers enable global printer standardization

Dual-station models can handle SBCS or DBCS output, allowing international, multinational and global retailers to use a single printer platform for every store worldwide. This improves service and support efficiency.

5. IBM SureMark Printers provide strong investment protection

All single-station models offer emulation¹ of the IBM Model 3, IBM Model 4 and Epson TM-T88II printers. So, retailers can replace existing printers with IBM SureMark Printers to upgrade print speed, print quality and overall ease of use, without the time and cost of reconfiguring existing POS software.

Solution features and benefits

IBM SureMark Printer, single-station models

Features	Benefits
Fast, high-quality thermal receipt printing	Helps retailers complete transactions more quickly, and enables printing of logos, coupons and marketing messages directly on customer receipts in black with one accent color
Spill-resistant cover	Helps protect the printer against grease, water and other liquid hazards in food service establishments
Logos are stored in flash memory and barcodes are generated automatically by the printer, reducing the amount of data sent to the printer for each transaction	Minimizes print time, speeds checkout and enables coupon printing. Barcode on receipt also allows retailers to access transaction data by scanning receipt, which expedites returns
Optional 2MB or 8MB (available for some models)	Provides additional memory for failsafe electronic journal storage or extended storage of logos
Electronic journaling support	Eliminates the time and expense of printing, storing and managing paper journal rolls
TrueType fonts	Improves readability of receipts, and helps enhance retailer's brand image
Printing on special thermal paper provides one accent color (red or blue)	Enables retailers to highlight promotional messages, total customer savings, accumulated loyalty points and other important information
Range of models covers the needs of international, multinational and global retailers	Improves efficiency of service, support and upgrades by enabling retailers to use one printer platform and similar interfaces across all stores worldwide
Small footprint	Maximizes available counter space
Wall-mounting with upside-down printing (Models TM6, TF6)	Removes printer from counter, and receipts stay right-side up as they exit the wall-mounted unit
Simple paper handling	Eliminates the risk of POS downtime when paper runs out by enabling quick, easy paper roll installation
90mm-diameter paper rolls plus optional support for under-countertop mounting of large rolls (Models TM6, TF6)	Minimizes reloading delays
USB, RS-232 and RS-485 connectivity with modular adapter	Links with many IBM and non-IBM systems, and gives retailers the option to choose one interface today, and easily upgrade to another in the future
Wide variety of printer emulations, including: <ul style="list-style-type: none">• Transparent emulation for Epson TM-T88II printers (Models TM6, TF6)• Emulation of receipt station for IBM Model 3 and Model 4 printers (Models TM6, TF6)	Allows retailers to upgrade print speed, print quality and overall ease of use without the time and cost of reconfiguring existing POS software
Programmable audible alarm for kitchen usage	Alerts users when printed output arrives, increasing productivity in loud or busy kitchen environments

Positioning

Portfolio comparison

Single-station models of the IBM SureMark Printer feature a thermal printing station used exclusively to print receipts. Unlike other models, these printers do not offer an impact printing station for processing checks and forms, or a second thermal station for journaling. In general, these models are ideal for any retailer that does not accept checks.

Target markets

1. Tier-one, -two, -three and -four food service and specialty retailers

The single-station models have several features that are particularly attractive to food service establishments. They offer an optional spill-resistant cover that protects the printer from food spills and liquid hazards common in food service environments. They can also be wall-mounted, which is helpful in smaller restaurants, pubs and bars that have little available counter space. This versatility is also useful for specialty retail environments that require a rugged POS printer and do not accept checks.

2. All retailers, all segments (EMEA only)

In EMEA, it is rare for retailers to accept checks. As a result, the single-station models of the IBM SureMark Printer will be a smart choice for many retailers in this region.

Models overview

	Character set	Color cover	Warranty service ²
TM6	SBCS	Pearl white ³	IBM onsite repair
TM7	DBCS	Pearl white ³	IBM onsite repair
TF6	SBCS	Iron gray ⁴	Depot service
TF7	DBCS	Iron gray ⁴	IBM onsite repair
DM6	SBCS	Pearl white ³	Depot service
IF6	SBCS	Iron gray ⁴	IBM onsite repair

Specifications

Model numbers	TM6/DM6	TF6/IF6	TM7/TF7
Hardware			
Printing speed ⁵ – Receipt station (one-color paper) – Receipt station (two-color paper)	52 lps @ 8 lpi, 39 lps @ 6 lpi 35 lps @ 8 lpi, 26 lps @ 6 lpi		50 lps @ 7.7 lpi 30 lps
Printing resolution (thermal)	203 dpi		203 dpi
Memory usage – Data buffer RAM – Flash memory for microcode – Flash memory for offline journal – Flash memory for logos – Flash memory for fixed messages – Flash memory for code pages – 2MB and 8MB flash memory	16KB 512KB 104KB 64KB to 168KB 8KB 80KB Optional	16KB 512KB 104KB 64KB to 168KB 8KB 80KB Optional	16KB 512KB 360KB 64KB to 420KB 8KB 1.5MB Optional
Interfaces	Powered USB, standard USB (external power brick required), RS-485, standard RS-232 (external power brick required)		
Mounting options	<ul style="list-style-type: none"> • Integrated with POS Distributed • Wall-mount 		
Ports	Cash drawer (+24V)		
Physical dimensions and weight			
Dimensions (WxDxH)	145 x 177 ⁶ x 95mm ⁷ 5.5x7 ⁶ x3.75 ⁷		
Weight	1.4kg (3.0lbs)		
Software⁸			
Operating system support ⁹	<ul style="list-style-type: none"> • IBM 4690 OS • Microsoft® Windows® 2000 (Professional Edition) • Microsoft Windows 98 (Second Edition) • Microsoft XP (Professional Edition) • Red Hat Linux (7.1) 		
Drivers supported ⁹	<ul style="list-style-type: none"> • OLE for Point of Sale (OPOS) (version 1.5.0 or later) • JavaPOS™ (version 1.5.0, Linux 1.5.1 USB or later) • POS Subsystem (POSS) for Microsoft Windows (version 2.3.0 or later) • POSS Subsystem for Linux (version 1.1.0 or later) 		

Specifications (continued)

Model numbers	TM6/DM6	TF6/IF6	TM7/TF7
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Software⁸

Operating system support ⁹	<ul style="list-style-type: none">• IBM 4690 OS• Microsoft Windows 2000 (Professional Edition)• Microsoft Windows 98 (Second Edition)• Microsoft XP (Professional Edition)• Red Hat Linux (7.1)		
Drivers supported ⁹	<ul style="list-style-type: none">• OLE for Point of Sale (OPOS) (version 1.5.0 or later)• JavaPOS (version 1.5.0, Linux 1.5.1 USB or later)• POS Subsystem (POSS) for Microsoft Windows (version 2.3.0 or later)• POSS for Linux (version 1.1.0 or later)		

Industry standards

Resident barcode formats	UPC A/E; JAN 8 (EAN); Code 39; ITF; Code 93; Code 128 a, b and c; Codabar; PDF417		
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Options

Integration kits	<ul style="list-style-type: none">• IBM SurePOS™ 700 Series• IBM SurePOS 4694 System	<ul style="list-style-type: none">• IBM SurePOS 500 Series• IBM SurePOS 600 Series	<ul style="list-style-type: none">• IBM SurePOS 700 Series• IBM SurePOS 4694 System
Spill-resistant cover	Yes	Yes	Yes
Power brick	Yes	Yes	Yes
Supply	IBM now offers branded paper supplies. For more information, please contact your IBM sales representative.		

Availability

North America	Yes	Yes	No
Latin America	TM6 only	TF6 only	No
Europe, Middle East, Africa	TM6 only	TF6 only	No
Asia Pacific	TM6 only	TF6 only	Yes



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¹ Not all printer functions are emulated. For a complete list of printer emulation functions, please visit the IBM support Web site: ibm.com/support.

² All limited warranty terms are for one year.

³ Bottom cover will be Litho gray with RS-485/RS-232 adapter (matches IBM SurePOS 4694 System). Bottom cover will be Storm gray with USB adapter (matches select models of the IBM SurePOS 700 Series).

⁴ Matches IBM SurePOS 300, IBM SurePOS 500 Series and IBM SurePOS 600 Series systems.

⁵ Indicates maximum rated speed. Actual print speed depends on user-specific configuration of interface, application, operating system and drivers.

⁶ Indicates depth at counter. Projected depth is 196mm (7.7").

⁷ Rear height is 121.5mm (4.8").

⁸ Some printer functions may not be supported by all combinations of operating systems and drivers.

⁸ To obtain the latest compatibility data for operating systems, interfaces and IBM hardware, visit the IBM support Web site: ibm.com/support.