

*Fast, high-quality thermal receipt printing plus
impact printing for forms and documents*



IBM SureMark Printers: Dual-station models



Highlights

- *Fast thermal printing accelerates transactions and makes it easy to print logos, coupons and marketing messages on customer receipts*
- *New OCR technology allows retailers to implement ECC via enhanced MICR reading accuracy and electronic check imaging, minimizing the risk of administrative returns*
- *Wide range of dual-station models for SBCS and DBCS applications helps retailers use a single printer platform worldwide*

High-performance POS printing

With a high-powered combination of advanced technology and reliability, dual-station models of the IBM SureMark™ Printers can help retailers in every segment reduce transaction times, customize receipts with marketing messages, and maximize uptime at the point of sale (POS). These quiet, high-quality thermal receipt printers 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. All models include a thermal receipt printing station and an impact station for printing multipart forms and checks.

Superior print quality

SureMark Printers use the latest innovations in thermal printing to ensure crisp, clean output on every receipt. TrueType fonts enable “newspaper style” printing with proportional, scalable characters that attract customers’ attention and improve the readability of targeted marketing messages. You 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).

Versatile check handling

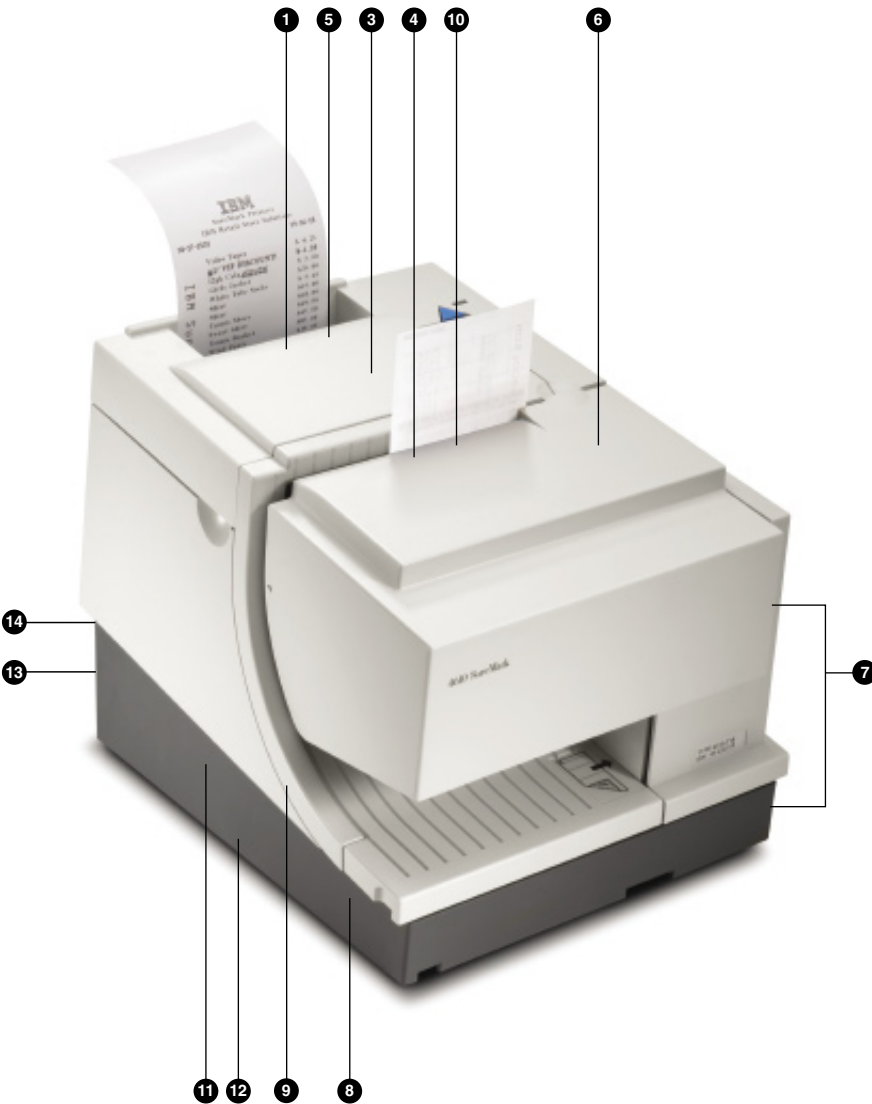
Models T18 and D18 feature Optical Character Recognition (OCR) technology and a built-in scanner for more accurate MICR reading and electronic check imaging.¹ With these capabilities, retailers can take advantage of cost-effective Electronic Check Conversion (ECC) while helping minimize the risk of administrative returns and losses from NSF checks. Many models also offer single-pass check handling, conventional MICR reading, check endorsing and check flipping – all of which accelerate check processing and help you serve more customers in less time.

Complete capabilities for dynamic POS printing



Thermal receipt print station

- 1 Provides fast, quiet output for SBCS or DBCS applications
- 2 Barcodes, logos, color graphics and TrueType fonts create opportunities for targeted marketing
- 3 Simple paper loading helps reduce downtime at the POS
- 4 Receipt out-of-paper sensor
- 5 Cutter



Impact station

- NEW** 6 Check imaging, OCR technology and advanced MICR reading improve accuracy and enable implementation of ECC (Model T18/DI8 only)
- 7 Top and bottom covers can be color-matched to IBM hardware
- 8 Prints on single or multipart forms in portrait or landscape orientation
- 9 Single-printhead design (models TI4, DI4, TG4, DG4, TI8, DI8) enables fast check processing with high reliability
- 10 Top and bottom document sensors

Physical design

- 11 2MB or 8MB upgrade (optional on some models) provides additional memory for electronic journaling or extended logo storage
- 12 Electronic journaling support eliminates the time and expense of printing, storing and managing paper journals
- 13 Powered USB and RS-485 attachments
- 14 Standard USB and RS-232 attachments (external power brick required)

IBM SureMark Printers at a glance

	TI8/DI8	TI3/DI3/TG3/DG3	TI4/DI4/TG4/DG4	TI5/TG5
Hardware				
<i>Printing speed</i> ⁶				
Receipt station (one-color paper)	Up to 52 lps @ 8 lpi, 39 lps @ 6 lpi		Up to 50 lps @ 7.7 lpi	
Receipt station (two-color paper)	Up to 35 lps @ 8 lpi, 26 lps @ 6 lpi		Up to 30 lps	
Impact slip station	Up to 4.3 lps		Up to 4.3 lps	
Printing resolution (thermal)	203 dpi			
<i>Memory usage</i>				
Data buffer RAM	16KB	16KB	16KB	
Flash memory for microcode	2MB	512KB	512KB	
Flash memory for offline journal	Up to 2MB	104KB	360KB	
Flash memory for logos	Up to 2MB	64KB	64KB	
Flash memory for fixed messages	Up to 2MB	8KB	8KB	
Flash memory for code pages	80KB	80KB	1536KB	
Flash memory for scanned images	Up to 2MB	–	–	
Standard flash memory	4MB	2-8MB	2MB	
Optional flash memory	8MB	–	8MB	
Interfaces	Powered USB, standard USB (external power brick required), RS-485, standard RS-232 (external power brick required)			
Mounting options	Integrated with POS Distributed			
Ports	Cash drawer (one physical, two logical, +24V) RS-232 adapter only			
Dimensions (W x D x H)	190.5 ⁷ x 255 x 153.4mm ⁸ (7.5 x 10 x 6")	190.5 ⁷ x 255 x 144mm ⁹ (7.5 x 10 x 5.5")		
Weight	4.9 kg (10.8 lbs)	4.4 kg (9.6 lbs)	4.8 kg (10.5 lbs)	4.4 kg (9.6 lbs)
Industry Standards				
Resident barcode formats	UPC A/E, JAN 8 (EAN), Code 39, ITF, Code 93, Code 128 a, b and c, Codabar, PDF417			
Peripheral 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 (TG3, DG3, TG4, DG4, TG5) IBM SurePOS 600 Series (TG3, DG3, TG4, DG4, TG5) IBM SurePOS 700 Series (TI3, DI3, TI4, DI4, TI5) IBM SurePOS 4694 System (TI3, DI3, TI4, DI4, TI5) 		
Supply Options				
	IBM now offers branded paper supplies. For more information please contact your IBM sales representative			

IBM SureMark Printers at a glance (cont.)

	T18/D18	T13/DI3/TG3/DG3	T14/D14/TG4/DG4	T15/TG5
Software¹⁰				
Operating system support ¹¹	<ul style="list-style-type: none"> • IBM 4690 Operating System • Microsoft® Windows® 2000 (Professional Edition) • Microsoft Windows 98 (Second Edition) • Microsoft Windows XP (Professional Edition) • Red Hat Linux 7.1 • DOS 			
Drivers supported ¹¹	<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) • POSS for Microsoft Windows (version 2.3.0 or later) • POSS for Linux (version 1.1.0 or later) • DOS 			
IBM application support	–	IBM SurePOS ACE IBM 4680-4690 Supermarket Application IBM Chain Drug Sales Application Sales Application IBM 4680-4690 General Sales Application		IBM Chain Drug Sales Application IBM 4680-4690 Supermarket Application IBM 4680-4690 General
Availability				
North America	Yes (US only)	Yes	Yes	No
Latin America	No	T13/TG3 only	T14/TG4 only	No
Europe, Middle East, Africa	No	T13/TG3 only	T14/TG4 only	No
Asia Pacific	No	T13/TG3 only	T14/TG4 only	Yes

⁶ Indicates maximum rated speed. Actual print speed depends on user-specific configuration of interface, application, operating system and drivers.

⁷ With overhanging ledge, width is 200.5mm (7.9").

⁸ Rear height is 200.5mm (7.9").

⁹ Rear height is 190.5mm (7.5").

¹⁰ Some printer functions may not be supported by all combinations of operating systems and drivers.

¹¹ Please visit the IBM support Web site (ibm.com/industries/retail/store/support) to obtain the latest compatibility data for operating systems, interfaces and IBM hardware.

Models overview

	Character set	Special features	Cover	Warranty service ²	
	T13	SBCS	Two-color printing	Pearl White ³	IBM onsite repair
	T14	SBCS	Two-color printing / Conventional MICR / Single-pass check handling	Pearl White ³	IBM onsite repair
	T15	DBCS	Two-color printing	Pearl White ³	IBM onsite repair
NEW	T18	SBCS	Two-color printing / Enhanced MICR with OCR / Single-pass check handling / Document imaging	Pearl White ³	IBM onsite repair
	TG3	SBCS	Two-color printing	Iron Gray ⁴	IBM onsite repair
	TG4	SBCS	Two-color printing / Conventional MICR / Single-pass check handling	Iron Gray ⁴	IBM onsite repair
	TG5	DBCS	Two-color printing	Iron Gray ⁴	IBM onsite repair
	DI3	SBCS	Two-color printing	Pearl White ³	Depot service
	DI4	SBCS	Two-color printing / Conventional MICR / Single-pass check handling	Pearl White ³	Depot service
NEW	DI8	SBCS	Two-color printing / Enhanced MICR with OCR / Single-pass check handling / Document imaging	Pearl White ³	Depot service
	DG3	SBCS	Two-color printing	Iron Gray ⁴	Depot service
	DG4	SBCS	Two-color printing / Conventional MICR / Single-pass check handling	Iron Gray ⁴	Depot service

¹ Check imaging will be enabled by the next supporting version of IBM 4690 OS. Until that time, Model T18/DI8 provides the same functionality as Model T14. If you have recently purchased Model T14 printers, IBM can add T18/DI8 functionality through a depot-installed upgrade kit.

² All limited warranty terms are for one year. For a copy of the terms and conditions of IBM's statement of limited warranty, please contact your IBM representative or reseller.

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 the IBM SurePOS 700 Series).

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

⁵ Not all printer functions are emulated. Please visit the IBM support Web site (ibm.com/industries/retail/store/support) for a full listing of printer emulation functions.

Fast, flawless operation

IBM SureMark Printers store logos and barcodes in flash memory, so they can be generated automatically. This minimizes total transaction time, allowing retailers to print logos, barcodes, graphics or text messages on receipts without affecting customer wait-time. Your POS printer becomes a powerful marketing tool.

Add your logo to receipts and build your store's brand. Use barcodes to expedite returns. Or print coupons and special offers to reward loyal customers.

Easy to use, easy to service

Paper handling is fast and easy, so operators can change paper rolls quickly without making customers wait. What's more, all models have a simple, snap-together design that makes each printer extremely easy to service.

Single platform, global appeal

With dual-station models for SBCS or DBCS output, SureMark printers allow international, multinational and global retailers to use a single printer platform for every store worldwide. This improves service and support efficiency.

Emulations ease migration

SureMark Printers offer emulation of the receipt and document insert stations for IBM Model 3 and Model 4 printers.⁵ This allows retailers to replace existing printers with SureMark Printers to upgrade print speed, print quality and overall ease of use – without the time and cost of reconfiguring existing POS software. Additionally, model T18/DI8 can emulate model T14, so you can add these printers today then convert to ECC when the next supporting version of IBM 4690 OS is released.¹



For more information

To learn more about IBM SureMark Printers and other retail store solutions from IBM, please contact your local representative or find us on the Web at: **ibm.com/industries/retail/store**

To place an order, call 1 800 IBM-CALL (1 800 426-2255) or 1 770 863-1000 outside the U.S. and Canada.

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IBM Corporation
PO Box 12195
3039 Cornwallis Road
Research Triangle Park
NC 27709

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*Front cover shows IBM SureMark Printer,
Model T18*

*Page 2 shows IBM SureMark Printer,
Model T18*



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