

*Fast, high-quality thermal receipt printing  
plus advanced electronic check processing*



## IBM SureMark Printers

*Dual-station models*



### Highlights

- ***Thermal printing delivers excellent speed and image quality***
- ***Single-pass, double-sided check imaging***
- ***Impact printing for forms and documents***
- ***Logo and barcode storage helps enable receipt customization***
- ***Highly serviceable, global-ready platform***

### Superior thermal printing and check processing

With a high-powered combination of advanced technology and reliability, dual-station models of IBM SureMark™ Printers can help retailers in every segment reduce transaction times, customize receipts and maximize uptime at the point of sale (POS). These quiet, high-quality thermal printers deliver up to 52 lines per second (lps) for single-byte character set (SBCS) output, or up to 50 lps for double-byte character set (DBCS) fonts. All models include a thermal receipt print station and an impact print station for multipart forms and checks. Plus, Model T19 offers advanced electronic check processing.

### Single-pass, double-sided check imaging

The document insert station on the Model T19 supports electronic check acceptance (ECA) as well as electronic check truncation (ECT/Check 21). It captures a complete electronic image of the front and back of checks in a single pass, so you can use the check image for either ECA or ECT/Check 21 applications. The entire process happens rapidly, helping to minimize transaction time. The impact station also prints “VOID” on the face of the check.

### Additional check processing features

Model T19 includes an image quality filter that helps each check image provide adequate readability for seamless third-party processing and fewer administrative returns. The printer also uses compression techniques to reduce the file size of each check image, allowing retailers to process high volumes of checks without clogging the network.

## IBM SureMark Printers: dual-station models at a glance

Models	T19/DI9/TG9/DG9	T13/DI3/TG3/DG3	T14/DI4/TG4/DG4	T15/TG5
<b>Printing speed<sup>1</sup></b>				
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			
Printing resolution (thermal)	203 dpi			
<b>Memory usage</b>				
Data buffer RAM	16KB	16KB		16KB
Flash memory for microcode	2MB	512KB		512KB
Flash memory for offline journal	Up to 2MB	104KB up to 168KB		360KB up to 420KB
Flash memory for logos	Up to 2MB	64KB up to 168KB		64KB up to 420KB
Flash memory for fixed messages	Up to 2MB	Up to 8KB		Up to 8KB
Flash memory for code pages	80KB	80KB		80KB
Flash memory for scanned images	Up to 2MB	N/A		N/A
Standard flash memory	4MB	2-8MB		8MB
Optional flash memory	8MB	N/A		N/A
Interfaces	<ul style="list-style-type: none"> <li>Powered USB plus standard USB (external power brick required)</li> <li>RS-485 plus standard RS-232 (external power brick required)</li> </ul>			
Mounting options	<ul style="list-style-type: none"> <li>Integrated with POS</li> <li>Distributed</li> </ul>			
Ports	Cash drawer (one physical, two logical, +24V), RS-232 adapter only			
<b>Physical dimensions and weight</b>				
WxDxH (mm)	190.5 <sup>2</sup> x255x153.4 <sup>3</sup>	190.5 <sup>2</sup> x255x144 <sup>4</sup>		
WxDxH (inches)	7.5x10x6.0	7.5x10x5.5		
Weight	4.9kg/10.8lbs	4.4kg/9.6lbs	4.8kg/10.5lbs	4.4kg/9.6lbs
<b>Industry standards</b>				
Resident barcode formats	UPC A/E, JAN 8 (EAN), Code 39, ITF, Code 93, Code 128 a, b and c, Codabar, PDF417			
<b>Peripheral options</b>				
Integration kits	<ul style="list-style-type: none"> <li>IBM SurePOS™ 700 Series</li> <li>IBM SurePOS 500 Series</li> <li>IBM SurePOS 4694 System</li> </ul>			
Supply options	IBM now offers branded paper supplies. For more information, contact your IBM sales representative or visit: <a href="http://www.printers.ibm.com/internet/wwwsites.nsf/vwwwebpublished/paper_pos_ww">www.printers.ibm.com/internet/wwwsites.nsf/vwwwebpublished/paper_pos_ww</a>			

## IBM SureMark Printers: dual-station models at a glance (continued)

Models	T19/DI9/TG9/DG9	T13/DI3/TG3/DG3	T14/DI4/TG4/DG4	T15/TG5
<b>Software<sup>5</sup></b>				
Operating systems supported <sup>6</sup>	<ul style="list-style-type: none"> <li>• IBM 4690 Operating System</li> <li>• IBM Retail Environment for SUSE Linux™ (IRES)</li> <li>• Novell Linux Point of Service (NLPOS)</li> <li>• Microsoft® Windows® 2000 (Professional Edition)</li> <li>• Microsoft Windows 98 (2nd Edition)</li> <li>• Microsoft Windows XP (Professional Edition)</li> <li>• DOS</li> </ul>			
Drivers supported <sup>6</sup>	<ul style="list-style-type: none"> <li>• OLE for POS (OPOS)</li> <li>• JavaPOS™</li> <li>• POSS for Microsoft Windows</li> <li>• POSS for Linux</li> <li>• DOS</li> <li>• Native Windows Driver for Microsoft Windows</li> </ul>			
IBM application support	<ul style="list-style-type: none"> <li>• IBM SurePOS ACE</li> <li>• IBM Supermarket Application</li> <li>• IBM General Sales Application</li> </ul>			
<b>Availability</b>				
North America	Yes <sup>7</sup>	Yes	Yes	No
Latin America	No	T13/TG3 only	T14/TG4 only	No
Europe, Middle East, Africa (EMEA)	No	T13/TG3 only	T14/TG4 only	No
Asia Pacific	No	T13/TG3 only	T14/TG4 only	Yes

### Strong investment protection

IBM SureMark Printers consistently offer strong investment protection, and Model T19 is no exception. It provides a smooth migration path and strong investment protection for retailers already using IBM SureMark Printers. Field upgrades of firmware are available for Model T18, enabling many of the capabilities of Model T19. In addition, depot upgrades can be made available for both Model T18 and Model T14.

### High-quality thermal printing

Using the latest innovations in thermal printing, these printers quietly produce crisp, clean output on every receipt. TrueType fonts enable newspaper-style printing with proportional, scalable characters for enhanced readability. These printers can also highlight special information with an accent color (red or blue).

## IBM SureMark Printers: dual-station models overview

Model	Character set	MICR	OCR MICR	Single-pass check handling <sup>8</sup>	Document imaging	Cover color	Warranty service <sup>10</sup>
T13	SBCS					Pearl White <sup>9</sup>	IBM onsite repair <sup>12</sup>
T14	SBCS	Yes		Yes		Pearl White <sup>9</sup>	IBM onsite repair <sup>12</sup>
T15	DBCS					Pearl White <sup>9</sup>	IBM onsite repair <sup>12</sup>
T19	SBCS		Yes	Yes	Yes	Pearl White <sup>9</sup>	IBM onsite repair <sup>12</sup>
TG3	SBCS					Iron Gray <sup>11</sup>	IBM onsite repair <sup>12</sup>
TG4	SBCS	Yes		Yes		Iron Gray <sup>11</sup>	IBM onsite repair <sup>12</sup>
TG5	DBCS					Iron Gray <sup>11</sup>	IBM onsite repair <sup>12</sup>
TG9	SBCS		Yes	Yes	Yes	Iron Gray <sup>11</sup>	IBM onsite repair <sup>12</sup>
DI3	SBCS					Pearl White <sup>9</sup>	Depot service <sup>12</sup>
DI4	SBCS	Yes		Yes		Pearl White <sup>9</sup>	Depot service <sup>12</sup>
DI9	SBCS		Yes	Yes	Yes	Pearl White <sup>9</sup>	Depot service <sup>12</sup>
DG3	SBCS					Iron Gray <sup>11</sup>	Depot service <sup>12</sup>
DG4	SBCS	Yes		Yes		Iron Gray <sup>11</sup>	Depot service <sup>12</sup>
DG9	SBCS		Yes	Yes	Yes	Iron Gray <sup>11</sup>	Depot service <sup>12</sup>

### Flash memory for customized receipts

IBM SureMark Printers use flash memory to generate logos, barcodes, graphics and text messages automatically. This allows retailers to customize receipts without affecting wait time at the POS, and transforms your printer into a powerful marketing tool. Add your logo to receipts, use barcodes to expedite returns, or print special offers to reward loyal customers. IBM SureMark Printers also feature clean receipt capabilities, so you can organize receipts by item and category and make it easier for customers to scan the receipt for specific items.

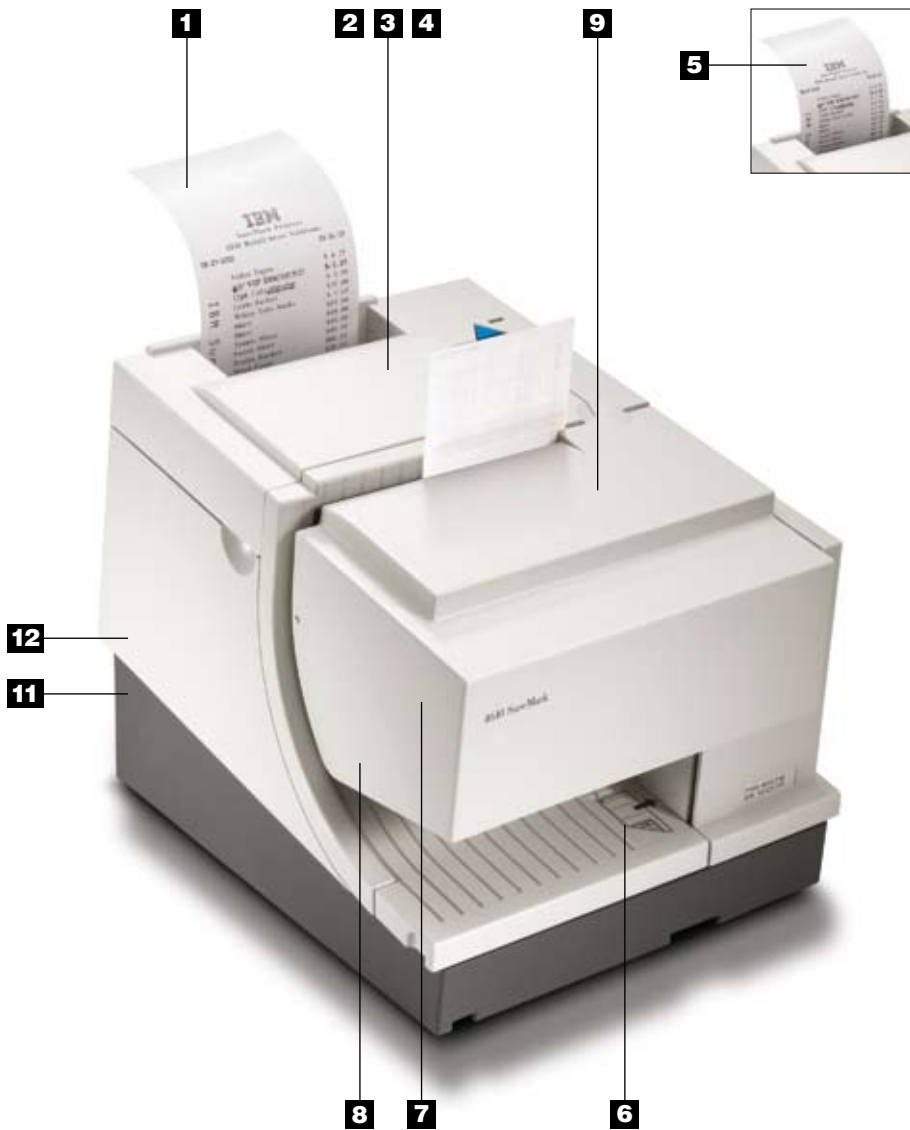
### Simple, snap-together design

A snap-together design makes IBM SureMark Printers extremely easy to service. Paper handling is fast and easy, so operators can change paper rolls quickly. Electronic journaling helps eliminate the costs and challenges of maintaining a second print station and simplifies the search for electronic records. With dual-station models for SBCS or DBCS output, IBM SureMark Printers also allow international, multinational and global retailers to use a single printer platform for every store worldwide. This can help improve service and support efficiency.

### Emulations for easy migration

IBM SureMark Printers offer emulation of the receipt and document insert stations for IBM Model 3 and Model 4 printers.<sup>13</sup> This allows retailers to replace existing printers with IBM SureMark Printers, upgrading print speed, print quality and overall ease of use – while reducing the time and cost of reconfiguring POS software. Additionally, if you plan to use Model T19 to support ECT/Check 21, but must wait to install new hardware or software to support this capability, Model T19 can emulate model T14 features to act as an interim solution.

# IBM SureMark Printer Model TI9 features



## **Thermal receipt print station**

- 1** *Fast, quiet output for SBCS or DBCS printing*
- 2** *Receipt cutter*
- 3** *Simple paper loading helps reduce downtime*
- 4** *Receipt out-of-paper sensor helps enable cashiers to replace rolls quickly*
- 5** *Supports barcodes, logos, color graphics and TrueType fonts*

## **Impact station**

- 6** *Prints on single or multipart forms in portrait or landscape orientation*
- 7** *Top and bottom document sensors*
- 8** *Single-printhead design supports fast, reliable check processing*
- 9** *Helps support ECA and ECT/Check 21 (model dependent)*
- 10** *Image quality filter verifies check image legibility (Model TI9 only)*

## **Additional features**

- 11** *Powered USB and RS-485 connectivity eliminates the need for a separate power brick and conserves counter space*
- 12** *Standard USB and RS-232 connectivity integrates with IBM and third-party POS systems (external power brick required)*
- 13** *2MB or 8MB upgrade supports electronic journaling or extended logo storage (optional on some models)*
- 14** *Electronic journal support helps eliminate the need to print, store and manage paper journals*
- 15** *Proven design delivers high reliability in retail environments*
- 16** *Color-matched top and bottom covers for IBM POS systems*



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<sup>1</sup> Indicates maximum rated speed. Actual print speed depends on user-specific configuration of interface, application, operating system and drivers.

<sup>2</sup> With overhanging ledge, width is 200.5mm (7.9").

<sup>3</sup> Rear height is 200.5mm (7.9").

<sup>4</sup> Rear height is 190.5mm (7.5").

<sup>5</sup> Some printer functions may not be supported by all combinations of operating systems, drivers and applications.

<sup>6</sup> To obtain the latest compatibility data for operating systems, interfaces and IBM hardware, visit the IBM support Web site: [ibm.com/industries/retail/store/support](http://ibm.com/industries/retail/store/support).

<sup>7</sup> Available in the U.S. only.

<sup>8</sup> If you have purchased Model T14 printers, IBM can add T19/D19 functionality through a depot-installed upgrade kit.

<sup>9</sup> Bottom cover will be Litho Gray with RS-485/RS-232 adapter (matches IBM SurePOS 4694 system). With USB adapter, bottom cover will be Storm Gray (matches the Storm Gray models of the IBM SurePOS 700 Series).

<sup>10</sup> All limited warranty terms are for one year. For a copy of the terms and conditions of IBM's statement of limited warranty, contact your IBM representative or reseller.

<sup>11</sup> Matches the IBM SurePOS 300 Series and the IBM SurePOS 500 Series.

<sup>12</sup> Systems with limited onsite service are designed to be repaired during the applicable warranty period primarily with IBM supplied replacement parts, installed by trained IBM service technicians at the customer's location. IBM will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement is/are unable to resolve the problem, or (b) the part is one of the few designated by IBM for customer replacement. For a list of customer replaceable parts, contact IBM. Support unrelated to a warranty issue may be subject to additional charges.

<sup>13</sup> Not all printer functions are emulated. For a full list of printer emulation functions, please visit the IBM support Web site: [ibm.com/industries/retail/store/support](http://ibm.com/industries/retail/store/support).

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