

*Fast, high-quality thermal POS printing
for retailers with strict fiscal requirements*



IBM SureMark Printers: Fiscal models



Highlights

- *Fast thermal printing accelerates transactions and makes it easy to print logos, coupons and marketing messages on customer receipts*
- *Options include an impact print station for forms, invoices and documents, a thermal journal station or electronic journaling*
- *Wide range of models designed to meet country-specific fiscal requirements allows retailers to use a single printer platform worldwide*

Fast, accurate fiscal printing

Fiscal models of the IBM SureMark™ Printer are engineered to provide fast, quiet, high-quality thermal printing at the point of sale (POS) – plus precise revenue reporting that meets strict fiscal requirements. All models include a thermal station that prints customer receipts up to 25 lines per second (lps). Other models also include an impact station for printing multipart forms, invoices and checks, a thermal station for conventional paper journaling, or both. All models offer a secure fiscal module – with fiscal logic and memory plus physical security features – and are government approved for sale in their respective countries. With this powerful combination of advanced fiscal technology and reliable operation, SureMark Printers can help retailers in any segment reduce customer wait-time and maximize uptime.

Extraordinary print performance

SureMark Printers use the latest innovations in thermal printing to ensure crisp, clean output on every receipt. They also store logos and barcodes in flash memory, so they can be generated automatically (local laws may restrict graphics printing on receipts). This minimizes total transaction time, allowing retailers to print logos, barcodes, graphics or text messages on receipts without affecting customer wait-time. In other words, 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 that reward loyal customers.

Versatile journaling options

IBM SureMark Printers include two families of fiscal models: the K-series and the G-series. All K-series models feature electronic journaling based on CompactFlash® technology, enabling retailers to store up to months or even years¹ of transactions on a single, removable module, and eliminate the cost of purchasing and storing paper journal rolls. All G-series models feature a thermal journal print station for retailers that prefer to retain traditional processes for paper-based journaling.



Complete capabilities for flawless fiscal printing



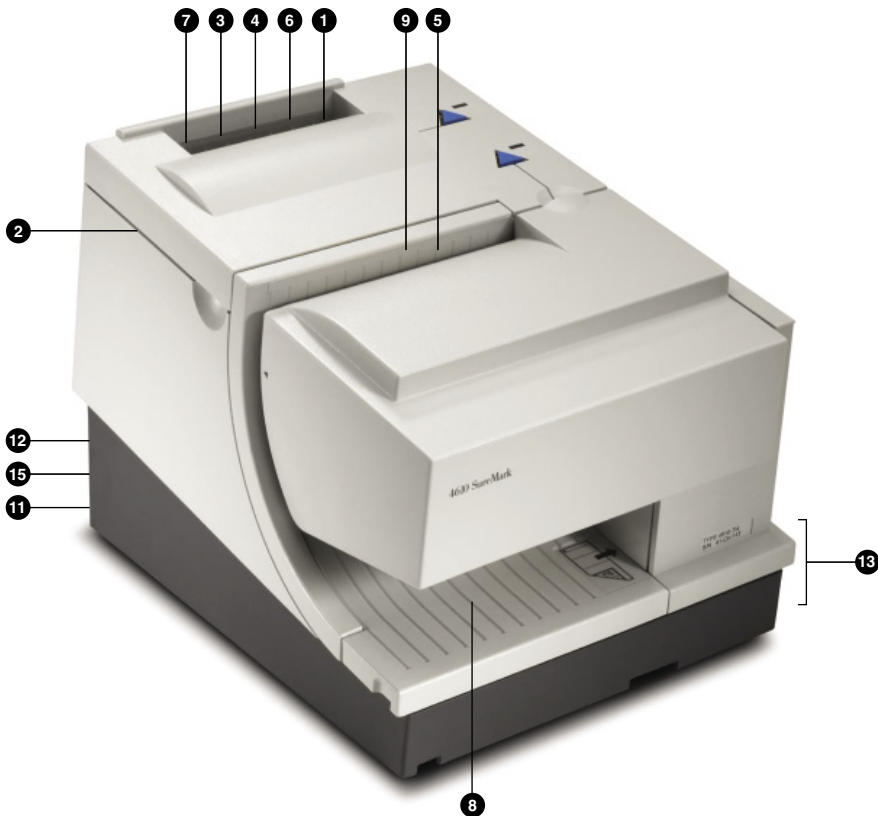
Thermal receipt print station

- 1 Provides fast, quiet output
- 2 Simple paper loading process reduces downtime at the POS
- 3 Barcodes and logos create target marketing opportunities
- 4 Receipt out-of-paper sensor
- 5 Double-wide and double-high characters
- 6 80mm paper width allows retailers to print long, detailed reports
- 7 Cutter

Impact station

- 8 Prints on single or multipart forms up to A5 format
- 9 Prints in portrait or landscape orientation
- 10 Single-pass check handling, check flipping and MICR reading speeds check processing and reduces transaction time (KC4 only)

Physical design



- 11 Secure fiscal module ensures compliance with fiscal regulations
- 12 Electronic journaling via CompactFlash (K-series models only) eliminates the time and expense of printing, storing and managing paper journals
- 13 Top and bottom covers can be color-matched to IBM hardware
- 14 Keylock secures journal roll (GB3, GB5, GE3, GR3, GR5) to ensure government journaling requirements are met
- 15 Keylock secures CompactFlash module (except models KC4 and KC5)

IBM SureMark Printers at a glance

		
KR3, KR5 KD3, KD5	KC4, KC5	FV5, GR3, GR5 GB3, GB5, GE3

Hardware

<i>Maximum printing speed</i> ²			
Thermal receipt station	25 lps @ 8 lpi	25 lps @ 8 lpi	25 lps @ 8 lpi
Impact slip station	3 lps (KR3, KD3)	3 lps (KC4)	3 lps (GR3, GB3, GE3)
Thermal journal station	–	–	25 lps @ 8 lpi
Printing resolution (thermal)	203 dpi		
Electronic journal media	Yes (32-128MB) CompactFlash (removable)	Yes (64MB) CompactFlash (non-removable)	No
<i>Interfaces</i>			
Standard USB (power brick required)	No	No	GB3, GB5, GE3 (internal power supply)
RS-485	KR3, KR5	No	GR3, GR5
Standard RS-232 (power brick required)	KD3, KD5	KC4, KC5	No
Mounting options	Integrated with POS Distributed		
<i>Ports</i>			
Display port connection and sense	Yes (KD3, KD5 Hungary)	No	Yes
RS-232 audit port ³	No	No	Yes (GE3, GR5 Greece)
Cash drawer (+24V)	Yes (KD3, KD5)	Yes	Yes (GB3, GB5)
Dimensions (WxDxH)	190.5 ⁴ x 255 x 144mm ⁵ (7.5 x 10 x 5.5")		322 x 255 x 144mm ⁵ (12.7 x 10 x 5.5")
Weight	4.4 kg (9.6 lbs)	4.8 kg (10.5 lbs)	6.89 kg (15.15 lbs)

IBM SureMark Printers at a glance (cont.)

		
KR3, KR5 KD3, KD5	KC4, KC5	FV5, GR3, GR5 GB3, GB5, GE3

Software⁶

Operating system support ⁷	<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 ⁷	<ul style="list-style-type: none"> • JavaPOS™ for Microsoft Windows (version 1.2 or later) • JavaPOS for Linux (version 1.5.1 or later) • POSS for Microsoft Windows (version 1.2 or later) • POSS for Linux (version 1.5.1 or later) • POSS for DOS (version 2.1.0 or later)

Industry Standards

Resident barcode formats	UPC A/E, JAN 8 (EAN), JAN 13 (EAN), Code 39, ITF, Code 93, Code 128 a, b and c, Codabar, PDF417
--------------------------	---

Supply Options

	IBM now offers branded paper supplies. For more information please contact your IBM sales representative
--	--

¹ Amount of data stored depends on local requirements, memory module size and usage.

² Indicates maximum rated speed, which many not be achievable in all countries. Actual print speed depends on user-specific configuration of interface, application, operating system, drivers and fiscal law.

³ The RS-232 audit port is only supported for select models in Argentina and Greece.

⁴ With overhanging ledge, width is 200.5mm (7.9").

⁵ Rear height is 190mm (7.5").

⁶ Some printer functions may not be supported by all combinations of operating systems and drivers.

⁷ 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.

⁸ 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.

Models overview

Model	Nations	MICR	Print stations	Attachment	Cover
GR3	Argentina, Greece, Italy, Turkey	No	Thermal receipt, impact, thermal journal	RS-485	Pearl White, Litho Gray Base
GR5	Greece, Italy, Turkey	No	Thermal receipt, thermal journal	RS-485	Pearl White, Litho Gray Base
GB3	Greece, Turkey	No	Thermal receipt, impact, thermal journal	USB	Iron Gray
GB5	Greece, Turkey	No	Thermal receipt, thermal journal	USB	Iron Gray
GE3	Argentina	No	Thermal receipt, impact, thermal journal	USB	Iron Gray
KR3	Hungary, Italy	No	Thermal receipt, impact	RS-485	Pearl White, Litho Gray Base
KR5	Hungary, Italy	No	Thermal receipt	RS-485	Pearl White, Litho Gray Base
KC4	Chile	Yes	Thermal receipt, impact	RS-232	Pearl White, Litho Gray Base
KC5	Chile	No	Thermal receipt	RS-232	Pearl White, Litho Gray Base
KD3	Hungary, Italy	No	Thermal receipt, impact	RS-232	Iron Gray
KD5	Hungary, Italy	No	Thermal receipt	RS-232	Iron Gray
FV5	Poland	No	Thermal receipt	RS-232	Pearl White, Litho Gray Base

Easy to use, easy to service

All K-series models feature a smaller footprint than other impact fiscal printers, so they consume very little counter space. G-series models are the same size as previous IBM fiscal printers, so they can be integrated easily at the POS. Paper handling in all models is 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. The print mechanism is readily accessible, so your IBM service representative, your in-house team, or an IBM Business Partner can perform maintenance tasks quickly and easily.

Single platform, global appeal

The complete portfolio of SureMark Printers allows international, multinational and global retailers to use a single printer platform to meet fiscal requirements in every store worldwide. This improves service and support efficiency. All models also feature similar application interfaces, which makes it easy to upgrade software and drivers.

Emulations ease migration

All fiscal RS-485 models of the IBM SureMark Printer offer emulation of the receipt and document insert stations for the fiscal models of the IBM Model 3 printer.⁸ 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.



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.

© Copyright IBM Corporation 2003.
All Rights Reserved.

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

Printed in the United States of America
05-03

© The e (logo), IBM, the IBM logo, SureMark and SurePOS are trademarks of International Business Machines Corporation in the United States, other countries, or both.

™ Java and all Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

© Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product and service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates. Copying or downloading the images contained in this document is expressly prohibited without the written consent of IBM.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may not be new and may have been previously installed. Regardless, IBM warranty terms apply.

The IBM home page on the Internet can be found at **ibm.com**

♻️ Printed in the United States on recycled paper containing 10% recovered post-consumer fiber.

*Front cover shows IBM SureMark Printer,
Models GB3/GB5/GE3 and Models KR3/KR5*

*Page 2 shows IBM SureMark Printer,
Models GB3/GB5/GE3 and Models KR3/KR5*



G583-0618-00