

The ultimate point-of-sale solution for your dynamic business. Unparalleled performance, manageability and adaptability—now and into the future



## IBM SurePOS 700 Series



SurePOS 700 Model 784 with 15" SurePoint display, SureMark dual station printer, ANPOS keyboard with pointing device, 2X20" customer display and integration tray

### Elevate customer service like never before

The IBM SurePOS™ 700 is the industry's premier point-of-sale solution for enabling high-quality business applications and services while reducing costs and complexity. Designed for retail, the IBM SurePOS 700 has the muscle for fast transactions and the brains to deliver unparalleled value.

Now 20 to 30 percent higher performance

### Streamline operations and lower costs

The intelligent system features IBM Light-Path Management visual indicators that proactively monitor system status and IBM Remote Management Agent (RMA) to provide systems management locally or remotely. Tool-free serviceability and front access allow simple parts replacement to be made easily by authorized store employees or trained personnel, reducing service costs.

Highly efficient Intel processors mean new models speed checkout while enabling advanced business applications. New models are also substantially

---

### Highlights

---

- **NEW! Superior Intel® technology for higher performance to handle the most advanced applications with blazing speeds**
- **NEW! Enhanced graphics for training videos and for compelling customer-facing marketing**
- **NEW! More energy savings – 15 to 30 percent more energy efficient<sup>1</sup>**
- **Unique, easy-to-wake deep sleep saves another 47 percent on energy costs<sup>2</sup>**
- **Tool free, front entry access reduces service time and cost**
- **IBM Remote Management Agent enables system and device management from a central location**

more energy efficient. And with deep sleep automation, power savings improve another 47 percent.





*New IBM SurePOS 700 systems save 15 to 30 percent more energy*

**Maintain data while mitigating risk**

Built-in features on the IBM SurePOS 700 enable hardware encryption and physical system

security. An optional biometric fingerprint reader on modular keyboards prevents unauthorized access. The instrumented solution allows retailers to install security patches, software updates, firmware levels and BIOS updates automatically by leveraging RMA. More world-class security and data privacy solutions are available through IBM and Business Partners, as well as the National Retail Services Center (NRSC).

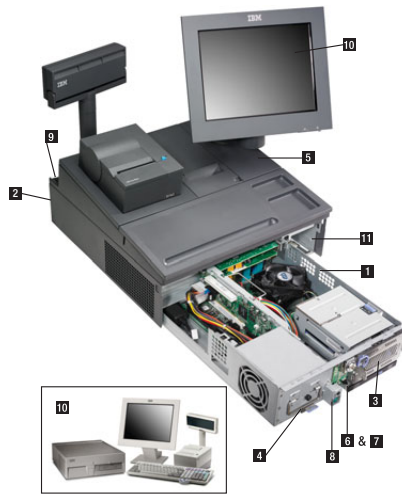
Future-ready so your enterprise can adapt, extend and grow, securely and nondisruptively, the modular, convertible design and standards-based platform make the flagship system totally flexible and easily upgradeable. Retail hardened construction and availability of IBM service up to seven years after market withdrawal insure high uptime and long-term reliability.

SurePorts	Optional top row			
	Base	Powered USB	RS-485	RS-232
				
Cash drawer	2			
Powered USB 2.0 (12 V) <sup>3</sup>	2	5		
Powered USB 2.0 (24 V) <sup>4</sup>	1			
RS-485 port 5 keyboard			1	
RS-485 port 4 customer display			1	
RS-485 port 7 printer			1	
RS-485 port 9 customer display/scanner	1		1	
Powered RS-232 (12 V or 5 V)				3

Peripheral options <sup>5</sup>	
Displays	IBM SurePoint™ (touch/nontouch), USB, RS-485 and RS-232 40-character and character/graphics displays
Printers	IBM SureMark™ Printer, IBM 4689-TD5 SurePOS printer, IBM Fiscal printers
Keyboards	USB and PS/2 modular 67-key, ANPOS, and Compact ANPOS; USB and RS-485 50-key
Cash drawers	Full-size, compact and flip-top
Integration trays	System unit, table-top, and cash drawer slant top trays

## IBM SurePOS 700 Series at a glance

Product name	SurePOS 720	SurePOS 740	SurePOS 780	
Model number	723, E23	743, E43	C43	<b>NEW!</b> 784, E84 C84
Processor	VIA C7D (2 GHz)	Intel Celeron® 440	Intel Pentium® Dual Core E5300 or Intel Core 2 Duo E7400	
Hard disk drive <sup>6</sup>	80 GB option (standard on E22)	80 GB (standard on E43)	80 GB standard	250 GB standard
System memory <sup>7</sup>	256 MB (2 GB max)	512 MB (4 GB max)	1 GB (8 GB max)	
Video memory	64 MB (maximum)	256 MB (max) (shared with system memory)	256 MB (max) (shared with system memory)	
NVRAM	128 KB			
PCI slot	1 PCI, 1 PCI Express standard; option to replace PCI Express slot with 2nd PCI slot			
Second hard disk drive	80 GB		250 GB	
DVD burner	Internal optional	Internal DVD optional	Internal option	Internal standard
Battery backup	Internal UPS (wide only)			
IBM SurePorts	See "IBM SurePorts" chart for connectivity options. C43 and C84 controller models do not include SurePorts.			
Front ports	-1 12 V USB, 1 headphone			
Back ports	2 PC USB, 4 RS-232, 1 PS/2 keyboard, 1 PS/2 mouse, Audio mic-in, Audio line out, headphone, 1 RJ45 Ethernet 10/100/1000, 2 VGA			
Systems management	SMBIOS, Wake on LAN, PXE, Wired for Management			
Power management <sup>8</sup>	Deep sleep automation, ACPI			
Dimension (W x D x H)	Narrow: 320 x 475 x 117.3 mm (12.6 x 18.7 x 4.62"), Wide: 435 x 475 x 117.3 mm (17.4 x 18.7 x 4.62")			
Weight	Narrow: 11.4 kg (25 lbs); Wide: 13.2 kg (29 lbs); Wide with UPS: 19.1 kg (42 lbs)			
Power supply	80% Universal Switched Power Supply (47 - 63 Hz), 90 W typical/250 W maximum			
Operating system supported <sup>9</sup>	IBM 4690 OS, V6; IBM 4690 OS, V6 R2 Enhanced (midyear 2010); SUSE Linux Enterprise Point of Service 11, with SUSE Linux Enterprise Server 11 SP1; Microsoft Windows Embedded POSReady 2009; Microsoft Windows Embedded for Point of Service V1.1; Microsoft Windows XP Professional Edition with Service Pack 3; PC DOS 2000; Microsoft Windows 7 Professional (midyear 2010 except 723, E23), Microsoft Windows 7 Ultimate (midyear 2010 except 723, E23).			
Drivers supported	UPOS 1.12.1 or higher (includes OPOS, JavaPOS™)			
Applications supported	IBM SurePOS ACE for 4690 OS; IBM General Sales Application; IBM 4680-4690 Supermarket Application; customized IBM applications; IBM Business Partner software solutions			
Management tools	IBM Remote Management Agent		IBM Director	
Limited warranty <sup>10</sup>	One-year onsite service. Up to two year additional service available			
Technical support <sup>11</sup>	Techline Web-based help			
Service availability	Up to seven years following withdrawal from the market			



1. *Efficient processor choices, including Intel Core 2 Duo, handle the latest applications at blazing speeds*
2. *Dual video display capability and enhanced graphics deliver a superior customer experience*
3. *Front vents promote airflow and minimize moving parts to reduce heat and help keep systems up and running*
4. *Virtually tool-free design, cable arm and secure key lock front access to all components help reduce service time and costs*
5. *Built in power management and deep sleep help minimize environmental impact and lower energy cost*
6. *Light-Path Management's visual indicators proactively monitor system status and help avoid downtime*
7. *Remote management enables monitoring of environmental variables for proactive servicing and maintenance to eliminate downtime*
8. *Front access to powered USB and head-phone ports for easy device attachment*
9. *Selectable and upgradeable SurePorts enable retailers to use existing devices and connect customer or employee devices*
10. *Choose distributed or integrated configurations in choice of color with color-matched peripherals (all optional)*
11. *UPS allows you to complete transactions in case of power outage*

### For more information

To learn how the IBM SurePOS 700 can make your business more dynamic and resilient, please contact your local IBM representative or visit:

[ibm.com/products/retail](http://ibm.com/products/retail)

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

The IBM home page on the Internet can be found at [ibm.com](http://ibm.com)

<sup>1</sup> Dacapo XP benchmark comparing model 784 to previous model 783

<sup>2</sup> Deep sleep is defined as "suspend to RAM" (random access memory), meaning the power supply is in a reduced power mode

<sup>3</sup> A single POS printer can be plugged in and operational

<sup>4</sup> 24 V available in Japan

<sup>5</sup> Not all peripherals are available in all countries. Please contact your local IBM representative for details

<sup>6</sup> MB/GB equals one million/billion bytes when referring to storage capacity; accessibility may be less

<sup>7</sup> Memory supports both system and video. Accessible system memory will be the installed memory size less the amount defined for video

<sup>8</sup> Power management functionality is device-dependent

<sup>9</sup> Microsoft Embedded preload standard on E23, E43 and E84. On other models an operating system is not included but can be purchased separately

<sup>10</sup> Terms may vary by country. For a copy of the terms and conditions of IBM's Statement of Limited Warranty, please contact your IBM representative or reseller

<sup>11</sup> Technical support response times may vary

© Copyright IBM Corporation 2010

All Rights Reserved

IBM Retail Store Solutions  
P.O. Box 12195, 3039 Cornwallis Road  
Research Triangle Park, NC 27709  
U.S.A.

Printed in the United States of America  
January 2010

IBM, the IBM logo, [ibm.com](http://ibm.com), SureMark, SurePoint, SurePOS and Wake on LAN are trademarks or registered trademarks of International Business Machines in the United States, other countries or both.

Intel, Celeron and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Via and Via C7-D are trademarks or registered trademarks of VIA Technologies, Inc. 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.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

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

For a list of additional trademarks, please see [ibm.com/legal/copytrade/shtml](http://ibm.com/legal/copytrade/shtml)

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

IBM assumes no responsibility or liability for any use of the information contained herein. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of IBM or third parties. No warranties of any kind including but not limited to warranties of merchantability or fitness for a particular purpose are offered in this document. For more details on limited warranty terms and conditions or extended warranty, please contact your IBM representative.

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. Any proposed use of claims in these materials outside of the United States must be reviewed by local IBM country counsel prior to such use. The information could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) or the program(s) described in this publication at any time without notice.



Recyclable, please recycle.