

IBM SurePOS 700 Series



SurePOS 700 Model 783 with 15" SurePoint™ display, SureMark™ dual station printer, ANPOS keyboard with pointing device, 2X20" customer display and integration tray

Powerful POS for performance and growth

The IBM SurePOS™ 700 is the industry's premier point of sale solution for retailers of all sizes who demand maximum performance and adaptability. Unique features help reduce complexity and the total cost of ownership, while providing a scalable design that helps retailers operate an efficient and resilient business as they grow.

Improve manageability

The IBM SurePOS 700 Series is specifically designed for performance, efficiency, and value. System management, both locally and remotely, is simple due to a unique combination of IBM Light-Path Management and environmental monitoring sensors. Industry-leading IBM Director with the powerful IBM Remote Management Agent provides an enhanced end-to-end systems management solution, empowering retailers to manage their store environments more competitively.

Highlights

- **Speed checkout and improve productivity with powerful standards-based platforms including Intel® Core™ 2 Duo processor**
- **Streamline operations with the powerful combination of IBM Light-Path Management and IBM Director, including IBM Remote Management Agent (RMA), that helps staff monitor and manage systems locally and from a central site**
- **Maximize uptime and help reduce maintenance costs with virtually tool-free design, secure and easy front access and exceptional serviceability**
- **Optimize investments with this highly scalable point-of-sale (POS) system that integrates with legacy systems and carries a service life cycle of up to 7 years to help lower total cost of ownership**

IBM SurePOS 700 Series features

These capabilities also facilitate predictive maintenance and rapid diagnosis, from the store to the enterprise, to help lower total cost of ownership and ensure system availability.

Easy to service and upgrade

Servicing the IBM SurePOS 700 Series has never been easier. Key lock access to easy-to-replace parts enables technicians—even store employees—to solve minor problems, minimizing downtime and reducing service costs. The virtually tool-free front access and a retractable cable arm simplify the job of getting to other internal components. If needed, the experienced IBM worldwide service and support network is always ready to help you protect your investment and prepare for growth.





Go global with eco-friendly features

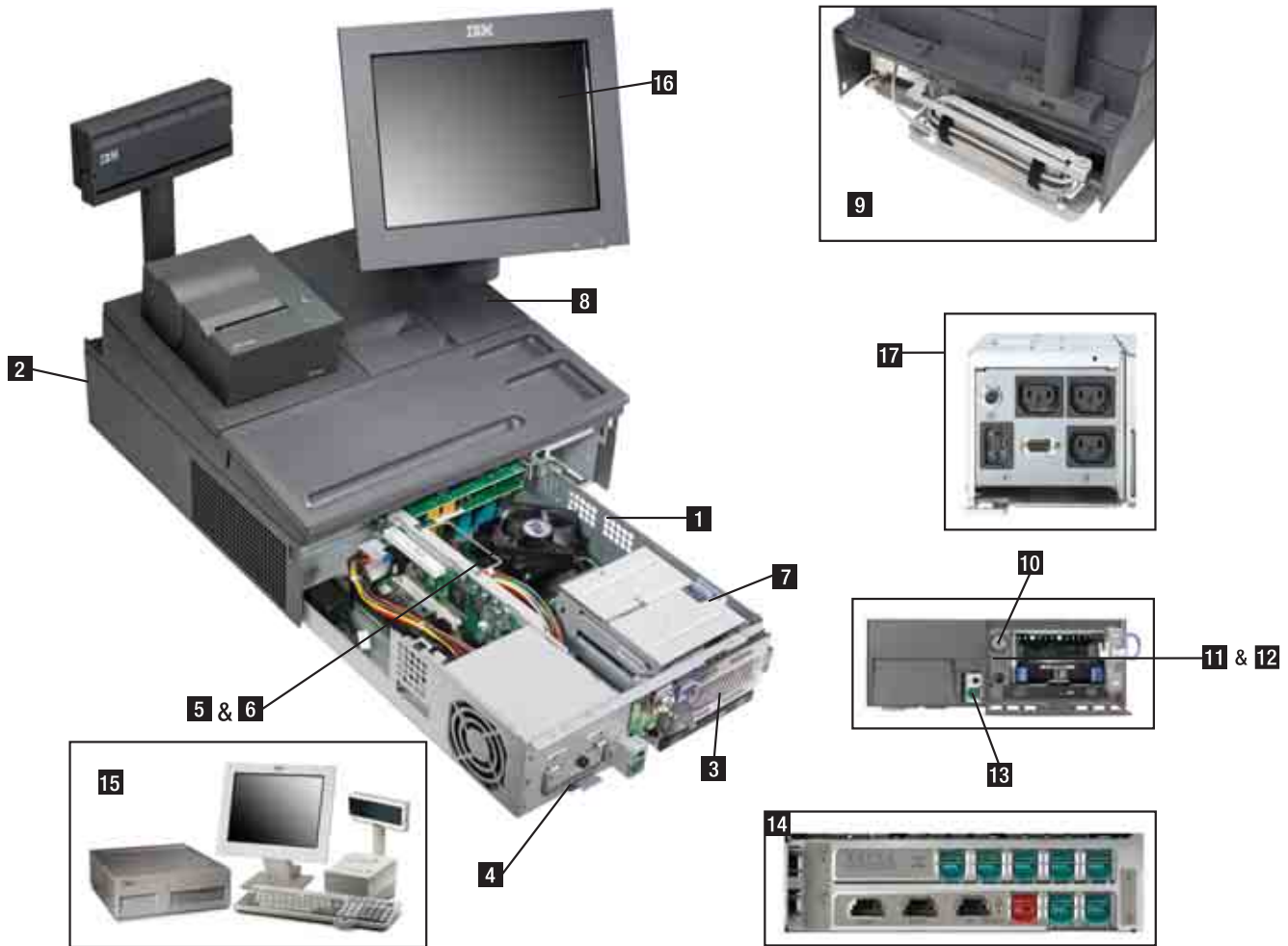
The IBM SurePOS 700 Series leads the industry in extending product life and helping to reduce electronic waste, with parts and service available for up to 7 years. In addition, the system's energy-efficient processor and chipset combine with optimum airflow design to reduce power consumption and noise levels. IBM uses innovative design and manufacturing techniques, including the use of recycled plastics, to produce conservation-oriented solutions that help retailers meet their ecological goals. By helping to protect the environment and comply with international directives, retailers can enhance their image with consumers who value environmentally responsible brands.

Designed for retailers on the move

The IBM SurePOS 700 is designed, manufactured and tested to meet the challenges of changing retail environments. Standards-based platforms like Intel Core 2 Duo processor technology support the latest innovative applications while integrating with existing systems to optimize investments. Dual video display delivers a superior customer experience, while an ergonomically designed and highly flexible layout helps optimize store design. And when it comes to reliability, the IBM SurePOS 700 Series' backup and security measures and retail hardened construction help protect your investment for the long haul.

IBM SurePorts

I/O Ports	Optional top row			
	Base	Powered USB	RS-485	RS-232
				
Cash drawer	2			
Powered USB 2.0 (24V) ¹	1			
Powered USB 2.0 (12V)	2	5		
RS-485 port 7 (38V) printer ^{1,2}			1	
RS-485 port 5 keyboard			1	
RS-485 port 4 customer display			1	
RS-485 port 9 customer display/scanner	1		1	
Powered RS-232 (12V or 5V)				3



- 1 Efficient processor choices, including Intel Core 2 Duo, handle the latest applications at blazing speeds
- 2 Dual video display capability delivers a superior customer experience
- 3 Front vents promote airflow and eliminate the need for additional moving parts to reduce heat and help keep your system up and running
- 4 Virtually tool-free design and secure front access to all components help reduce service time and costs
- 5 Fast 1 GB Ethernet enables employees to link with enterprise applications
- 6 Trusted Platform Management provides password encryption for added security
- 7 Integrated RAID allows disk mirroring to avoid downtime

- 8 Built in power management and use of recycled plastics help minimize environmental impact
- 9 Cable arm allows access to all connectors from the front of the unit
- 10 Secure key lock access to hard drive enables self maintenance and avoids unnecessary service costs
- 11 Light Path Management's visual indicators proactively monitor system status and help avoid downtime
- 12 Remote management enables monitoring of environmental variables for proactive servicing and maintenance to eliminate downtime

- 13 Front access to powered USB and Headphone ports for easy device attachment
- 14 Selectable and upgradeable SurePorts enable retailers to use existing devices and connect customer or employee devices
- 15 Choose distributed or integrated configurations in storm, litho or iron gray
- 16 Color-matched peripherals include the IBM SurePoint Solution, IBM SureMark Printer, and ANPOS Keyboard with pointing device (all optional)
- 17 UPS allows you to complete transactions in case of power outage

IBM SurePOS 700 Series at a glance

Product name	SurePOS 720	SurePOS 740	SurePOS 740	SurePOS 780
Model number	723, E23	743, E43	C43	783, E83
Processor ³	VIA C7-D (2 GHz) (800 MHz FSB)	Intel Celeron® 440 (2 GHz) (800 MHz FSB)	Intel Celeron 440 (2 GHz) (800 MHz FSB)	Intel Core 2 Duo E4300 (1.8 GHz) (800 MHz FSB)
Storage				
Hard disk drive (HDD) ⁴	80 GB option (standard on E23)	80 GB option (standard on E43)	80 GB standard	160 GB standard
System memory ⁵	256 MB (2 GB max)	512 MB (4 GB max)	512 MB (4 GB max)	512 MB (4 GB max)
Video memory (shared with system memory)	64 MB (maximum)	256 (maximum)	256 (maximum)	256 (maximum)
NVRAM	128 KB	128 KB	128KB	128 KB
Expansion Options				
PCI Express slot	1 standard	1 standard	1 standard	1 standard
PCI slot	1 standard	1 standard	1 standard	1 standard
Second PCI slot	Option replaces PCI Express slot	Option replaces PCI Express slot	Option replaces PCI Express slot	Option replaces PCI Express slot
Second HDD	80 GB	80 GB	80 GB	160 GB
Floppy disk drive	External Universal Serial Bus (USB)	External USB	External USB	External USB
CD-write/DVD read	Internal (24x)	Internal (24x)	Standard	Internal (24x)
DVD burner	-	-	Internal burner option	-
Battery back-up	Internal UPS (wide only)	Internal UPS (wide only)	Internal UPS (wide only)	Internal UPS (wide only)
Connectivity				
IBM SurePorts	See 'IBM SurePorts' chart for a full description of IBM SurePorts and connectivity options. C43 controller model does not include SurePorts			
Powered USB (12V)	-	1 (front)	1 (front)	1 (front)
PC USB ports	2	2	2	2
RS-232 ports	2 standard 2 optional	4	4	4
PS/2 keyboard/mouse	1/1	1/1	1/1	1/1
RJ45 Ethernet	10/100	10/100/1000	10/100/1000	10/100/1000
Video	2 VGA	2 VGA	2 VGA	2 VGA
Audio mic-in/line-out	Back	Back	Back	Back
Headphone	Back	Back and front	Back and front	Back and front

IBM SurePOS 700 Series at a glance

Peripheral Options⁶

Displays	<ul style="list-style-type: none">• IBM SurePoint Solution (touch and non touch)• USB 40-character and character/graphics displays	<ul style="list-style-type: none">• RS-485 40-character and character/graphics displays• RS-232 40-character and character/graphics displays
Printers	<ul style="list-style-type: none">• IBM SureMark Printer• IBM 4689-TD5 SurePOS printer	<ul style="list-style-type: none">• IBM Fiscal printers
Keyboards	<ul style="list-style-type: none">• USB 50-key, 133-key and ANPOS keyboards• RS-485 50-key, 133-key and ANPOS keyboards	<ul style="list-style-type: none">• PS/2 ANPOS and compact ANPOS keyboards
Cash drawers	Full-size and compact	
Integration trays	System unit, table-top and cash drawer slant top trays	

Industry standards

Systems management	<ul style="list-style-type: none">• IBM Light-Path Management• SMBIOS• Wake on Local Area Network (LAN)	<ul style="list-style-type: none">• PXE• Wired for Management
Power management ⁷	ACPI	

System dimensions and weight

Dimension (WxDxH)	<ul style="list-style-type: none">• Narrow: 320x475x117.3 mm (12.6x18.7x4.62")	<ul style="list-style-type: none">• Wide: 435x475x117.3 mm (17.4x18.7x4.62")
Weight	<ul style="list-style-type: none">• Narrow: 11.4 kg (25 lbs)• Wide: 13.2 kg (29 lbs)	<ul style="list-style-type: none">• Wide (with UPS): 19.1 kg (42 lbs)

Power requirements

Power supply	Universal Switched Power Supply (47 – 63Hz) 90W typical/250W maximum
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Software

Operating system (OS) supported ⁸	<ul style="list-style-type: none">• IBM Retail Environment for SUSE Linux[®] V2.1.5 (mid 2008)• IBM 4690 OS, V5 R2 or later (early 2008)• PC DOS 2000• Microsoft Windows XP Professional Edition with Service Pack 2	<ul style="list-style-type: none">• Microsoft[®] Windows[®] Vista Business Edition (by year end 2007)• Microsoft Windows Embedded for Point of Service V1.1 or later (preloaded on E23, E43, and E83)
Drivers supported	<ul style="list-style-type: none">• UPOS 1.9.4 (includes OPOS, Java[™] POS) or higher	<ul style="list-style-type: none">• POSS for DOS 2.20
Applications supported	<ul style="list-style-type: none">• IBM SurePOS ACE for 4690 OS• IBM General Sales Application• IBM 4680-4690 Supermarket Application	<ul style="list-style-type: none">• Multiple IBM Business Partner software solutions• Additional customised IBM applications
Management Tool	<ul style="list-style-type: none">• IBM RMA V2.2	<ul style="list-style-type: none">• IBM Director

Services

Limited warranty ⁹	One year on-site service. Additional service available.
Technical support ¹⁰	Techline Web-based help
Service availability	Up to seven years following withdrawal from the market

For more information

To learn more about IBM SurePOS solutions, contact your local IBM sales representative or IBM Business Partner, call us at 1 800 IBM-ALL (1 800 426-2255), or 1 770 863-1000 outside the United States or Canada or visit:

ibm.com/products/retail



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¹ A single POS printer can be plugged in and operational

² 24V available in Japan

³ GHz refers to only microprocessor internal clock speed; many factors affect application performance

⁴ GB equals one billion bytes when referring to storage capacity; accessibility may be less

⁵ Memory supports both system and video. Accessible system memory will be the installed memory size less the amount defined for video

⁶ Not all peripherals are available in all countries. Please contact your local IBM representative for details

⁷ Power management functionality is device dependent

⁸ With the exception of model E42, an operating system is not included but can be purchased separately

⁹ For a copy of the terms and conditions of IBM's Statement of Limited Warranty, please contact your IBM representative or reseller

¹⁰ Technical support response times may vary