IBM SurePOS 700 Series

"Icy Hot" IBM SurePOS 700 takes performance, efficiency and flexibility to a new high standard

Highlights

- Advanced technology fuels store innovations with fast ROI

- Virtually tool-free service and deep sleep streamline operations and lower costs

- New configurations open more placement options

- Scalable memory up to 8 GB[1] adapts to changing business requirement

Retailers need smarter store solutions
Smarter stores are building for the future with checkout solutions that help them improve customer service, reduce costs and generate new revenue.

The award-winning, energy-efficient SurePOS™ 700 is IBM's most powerful point-of-sale system, delivering maximum performance, service-ability, energy efficiency and adaptability to drive today's smarter store solutions. When combined with industry-leading IBM software, system and data integration and management, for example, the latest SurePOS 700 models take IBM Smarter Store Solutions to new levels of power in transforming the point of sale to a cross-channel point of service.

New technology optimizes next generation store solutions
Innovative, retail-optimized technology makes the SurePOS 700 more valuable to retailers than ever before. With next generation Intel Core i3 processing as an option, scalable memory choices up to 8 GB, and hard disk or solid state drives options, the SurePOS 700 packs 10 percent to 50 percent more performance power,[2] faster processing and extra storage capacity to drive the most demanding consumer service and enterprise

applications. High speed networking enables consumers and employees to rapidly access cross-channel offerings. Support for dual video displays with superior graphics helps deliver an engaging, interactive customer experience.

Increased efficiency and reliability means fast ROI, more profit

Checkout lanes that can be put into service in a matter of seconds help lower employee costs and satisfy shoppers who, too often, abandon their purchases rather than wait in line. The IBM SurePOS 700, with easy-to-wake deep sleep, enables stores to provide customer service on demand, saving up to 47 percent in energy and optimizing staff time.[3]

IBM Light-Path Management visual indicators on the front panel of the SurePOS signal potential system failures and allow easy diagnosis and correction before problems occur, keeping business moving. Remote monitoring of environmental variables enables proactive servicing and maintenance. Retail-hardening helps insure systems provide reliable service in the most harsh and rigorous store locations. The open standards

platform reduces the complexity of system integration with new and legacy systems, and the virtually tool-free design helps lower service costs.

Convertible design gives more placement options

The IBM SurePOS 700 offers a new low profile, distributed cover that increases opportunities for store placement while promoting energy efficiency and easy maintenance. Built to accommodate performance enhancements that might result in overheating, discreet air vents on the bezel allow front-to-back airflow and eliminate the need for side vents, providing flexibility in placing the system under counters or tight spaces in the store. Models are also available in distributed and integrated configurations with traditional covers.

Virtually tool-free, secure and easy front access to internal components maximizes uptime and usability. Additionally a service lifecycle of up to seven years and highly scalable technology that integrates with legacy systems help retailers get maximum use of their SurePOS 700 now and into the future.

1 Shown: SurePOS 785 with 12 in. SurePoint display, SureMark dual-station printer, 67-key Keyboard with LCD, and 40-character display

2 Choose distributed or integrated configurations in choice of color with color-matched peripherals (all optional)

3 Next Generation Intel technologies deliver power for store applications now and into the future

4 Easy to wake deep sleep lets POS "nap" and lower energy costs

5 Virtually tool-free design and secure key lock front access to all components help reduce service time and costs

6 Solid state drive option helps speed performance, availability and reliability

7 Scalable memory up to 8 GB adapts to changing business requirements

8 New model with front vents promote airflow and minimize moving parts to reduce heat and help keep systems up and running

9 IBM Remote Management Agent (RMA) provides system management from a central location

10 Light-Path Management visual indicators proactively monitor system status and help avoid downtime

11 USB and PS/2 67-key, 67-key with LCD, ANPOS, and Compact ANPOS (all optional)

12 Selectable and upgradeable SurePorts enable retailers to use existing devices and connect customer or employee devices

IBM SurePOS 700 at a glance

Product name	SurePOS 740	SurePOS 780
Model number	4900-745, E45	4900-785, E85, C85
Processor	Intel Celeron T3100	Intel Celeron G540 or Intel Core i3 2120
Hard disk drive*	500 GB option (standard on E45)	500 GB option (standard on E85, C85)
Solid State drive	64 GB option (upgrade available on E45)	64 GB option (upgrade available on E85, C85)
System memory[†]	1 GB (2 GB on E45, 4 GB max)	2 GB (8 GB max)
Video memory	256 MB (max) (shared with system memory)	
NVRAM	128 KB	
PCI slot	1 PCI, 1 PCI Express standard	
Second drive	Field upgrade option	Field upgrade option 2nd 500 GB HDD or 64 GB SSD installed available on C85
DVD burner	Internal option	Internal Option (standard on C85)
Battery backup	Internal UPS (with traditional wide cover only)	
IBMSurePorts	See "IBMSurePorts" chart for connectivity options. C85 controller model do not include SurePorts.	
Front ports	One 12 V USB, one 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[‡]	Deep sleep automation, ACPI	
Dimensions (WxDxH)	**Low profile** Distributed 312 mm × 451 mm 112 mm (107 mm w/o feet; 12.3 × 17.8 × 4.4 in; 4.2" w/o feet) **Traditional** Narrow: 320 × 475 × 117.3 mm (12.6 × 18.7 × 4.62 in.), Wide 435 × 475 × 117.3 mm (17.4 × 18.7 × 4.62 in.)	
Weight	**Low profile** Distributed 10.2 kg (22.5 lbs) **Traditional** Narrow: 11.4 kg (25 lbs); Wide: 13.2 kg (29 lbs); Wide with UPS: 19.1 kg (42 lbs)	
Power supply	80 PLUS Gold Efficient Universal Switched Power Supply (47 - 63 Hz), 90 W typical/250 W maximum	
Operating systems supported[§]	IBM 4690 OS, V6.3 Enhanced; SUSE Linux Enterprise Point of Service 11, with Service Pack 2 (when available); Microsoft Windows POSReady 2009; Microsoft Windows POSReady 7, Microsoft Windows 7 Professional, Microsoft Windows 7 Ultimate, SUSE Linux Enterprise 11 Server with Service Pack 2 (when available), SUSE Linux Enterprise 11 Desktop with Service Pack 2 (when available)	
Drivers supported	UPOS 1.13.3 or higher (includes OPOS, JavaPOS)	
Applications supported	IBM SurePOS ACE; 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**	One-year onsite service. Up to two year additional service available	
Technical support[††]	Techline web-based help	
Service availability	Up to seven years following withdrawal from the market	

SurePorts		Optional top row		
	Base	Powered USB	RS-485	RS-232
Cash drawer	2			
Powered USB 2.0 (12 V)	2	5		
Powered USB 2.0 (24 V)	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 (15-pin or 9-pin)

Peripheral options***	
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

For more information

To learn more about the IBM SurePOS 700, please contact your IBM marketing representative or IBM Business Partner, or visit: **ibm.com**/products/retail

Additionally, IBM Global Financing can help you acquire the IT solutions that your business needs in the most cost-effective and strategic way possible. We'll partner with credit-qualified clients to customize an IT financing solution to suit your business goals, enable effective cash management, and improve your total cost of ownership. IBM Global Financing is your smartest choice to fund critical IT investments and propel your business forward. For more information, visit: **ibm.com**/financing

* MB/GB equals one million/billion bytes when referring to storage capacity; accessibility may be less

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

‡ Power management functionality is device-dependent

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

** 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

†† Technical support response times may vary

‡‡ A single POS printer can be plugged in and operational

§§ 24 V available in Japan

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

[1] MB/GB equals one million/billion bytes when referring to storage capacity; accessibility may be less

[2] The new IBM SurePOS 700 models provide 10 percent - 50 percent more performance when compared to select predecessor models available.

[3] The new IBM SurePOS 700 models deliver a 36.1 percent reduction in maximum power consumption compared to select withdrawn models. Turning on deep sleep for 12 hours should save an additional 47 percent. Source: http://www-03.ibm.com/products/retail/news/why/ecofriendly/index.html

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