

Revolutionise the customer experience with high-powered, innovative POS technology



IBM SurePOS 700 Series

SurePOS 720, 740 and 780



Highlights

- **Meet dynamic consumer demands for fast, accurate transactions and personalised service**
- **Choose from multiple options for appearance, ports, slots, applications and peripherals**
- **Protect your technology investment with a flexible, open platform solution**
- **Improve reliability and uptime with a rugged, retail-hardened design**

The premier IBM POS system for on demand retail

The IBM SurePOS™ 700 Series is the most powerful point-of-sale (POS) solution in the IBM portfolio and the first of its kind with 64-bit-enabled processors running at speeds of up to 3GHz. With select models that feature Serial ATA hard drives, support for Redundant Array of Independent Disks (RAID) technology and up to 2GB of DDRII memory, this high-impact solution delivers the speed, availability and reliability that on demand retailers require.

Furthermore, these new models now offer more technology to help you transform the customer experience and increase employee productivity.

Flexible choices to customise your POS

With multiple choices for speed, size, colour and format, the IBM SurePOS 700 Series makes it easy and cost-effective for retailers to create a customised POS solution. It also offers upgradeable IBM SurePorts that accommodate current and new devices, and an optional PCI Express slot for future-proof wireless capability. In addition, tremendous application flexibility allows you to choose from a wide range of third-party software, including Ready for IBM Retail Store Innovations solutions.¹



Staged migration protects your investment

When you choose the IBM SurePOS 700 Series, you can count on an easy, staged migration path that helps protect your current technology investment. We make it simple to port POS applications to this powerful new platform. The system includes the drivers you need for seamless API compatibility. Most importantly, its open platform design supports a broad range of operating systems, including the IBM Retail Environment for SUSE LINUX™.

Superior reliability and performance

Built to withstand demanding in-store environments, the IBM SurePOS 700 Series features a retail-hardened design that helps reduce system maintenance costs and downtime. High-quality Serial ATA hard drives help improve performance. Support for RAID helps improve availability, especially in stores with fewer POS systems. In addition, sophisticated touchscreen technology allows you to customise the POS interface to address the needs of customers and customer-facing employees.

In-store and remote systems management

Manage the IBM SurePOS 700 Series more efficiently with IBM Remote Management Agent, a versatile solution that automatically discovers the IBM SurePOS 700 system and enables store-level and enterprise systems management. This solution helps retailers meet uptime objectives, reduce IT maintenance costs, deploy new technologies faster, and with IBM Tivoli® Automation software, manage the store with other enterprise IT operations.

Partner with the experts in retail

When you work with IBM, you can tap into our comprehensive retail industry knowledge. We bring a proven track record forged through 30 years of global experience – and nearly two million POS terminal installations worldwide – in the retail industry.

IBM SurePorts

I/O ports	Cash drawer	Powered USB 2.0 (24V) ²	Powered USB 2.0 (12V)	RS-485 port 7 (38V) ^{2,3} printer	RS-485 port 5 keyboard	RS-485 port 4 customer display	RS-485 port 9 customer display/scanner	Powered RS-232 (12V or 15V)
Powered USB⁴ 	2	1	7	–	–	–	–	–
RS-485/Powered USB 	2	1	2	1	1	1	2	–
RS-232/Powered USB 	1	1	2	–	–	–	–	4

IBM SurePOS 700 Series at a glance

Product name	SurePOS 720	SurePOS 740		SurePOS 780
Model number	722	742	C42	782
Processor ⁵	2.0GHz Intel® Celeron® (400MHz FSB)	Intel Celeron D 326 (2.5GHz) (533MHz FSB)	Intel Celeron D 326 (2.5GHz) (533MHz FSB)	Intel Pentium® 4 531 (3GHz) (800MHz FSB)
Storage				
Hard disk drive ⁶	40GB option	40GB option	40GB standard	80GB standard
System memory	128MB (2GB maximum)	256MB (2GB maximum)	512MB (2GB maximum)	512MB (2GB maximum)
Video memory (shared with system memory) ⁷	64MB (maximum)	64MB (maximum)	64MB (maximum)	64MB (maximum)
NVRAM	128KB	128KB	128KB	128KB
Expansion options				
PCI slots	2	2	2	2
PCI Express slots	–	1 lane optional (replaces 1 PCI)	1 lane optional (replaces 1 PCI)	1 lane optional (replaces 1 PCI)
Second hard disk drive	–	40GB	40GB	80GB
Floppy disk drive (1.44MB)	External USB	External USB	External USB	External USB
CD-ROM	External USB	Internal (24X)	Standard	Internal (24X)
DVD-ROM	–	–	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 for 722, 742 and 782 machines. C42 controller mode does not include SurePorts.			
Powered USB (12V)	–	1 (front)	1 (front)	1 (front)
PC USB ports	2 (back)	4 (2 front; 2 back)	4 (2 front; 2 back)	4 (2 front; 2 back)
RS-232 ports	2	4	4	4
Parallel port	1	1	1	1
PS/2® keyboard/mouse	1/1	1/1	1/1	1/1
RJ45 Ethernet	1	1	1	1
Video	VGA	VGA	VGA	VGA
Audio mic-in/line-out ports	Back	Back	Back	Back
Headphone port	Back	Back and front	Back and front	Back and front

IBM SurePOS 700 Series at a glance (continued)

Peripheral options⁸

Displays	<ul style="list-style-type: none">• IBM SurePoint™ Solution (touch and non-touch)• USB 40-character and character/graphics display	<ul style="list-style-type: none">• RS-485 40-character and character/graphics display• Monochrome CRT display
Printers	<ul style="list-style-type: none">• IBM SureMark™ Printer• IBM Model 4 printers	<ul style="list-style-type: none">• IBM Fiscal printers
Keyboard	<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	<ul style="list-style-type: none">• Full size, compact and flip-top	
Integration trays	<ul style="list-style-type: none">• Slant-top tray, table-top slant tray and cash drawer slant tray	

Industry standards

Systems management	<ul style="list-style-type: none">• Wired for Management• SMBIOS	<ul style="list-style-type: none">• Wake on LAN[®]• PXE
Power management ⁹	<ul style="list-style-type: none">• APM and ACPI	

System dimensions and weight

Dimensions (WxDxH)	<ul style="list-style-type: none">• Narrow: 322x475x116mm (12.6x18.7x4.6")• Wide: 442x475x116mm (17.4x18.7x4.6")
Weight	<ul style="list-style-type: none">• Narrow: 10kg• Wide: 11.8kg• Wide (with UPS): 17.7kg

Power requirements

Power requirements	<ul style="list-style-type: none">• Universal Switched Power Supply (47-63Hz)• 60W typical/200W maximum
--------------------	--

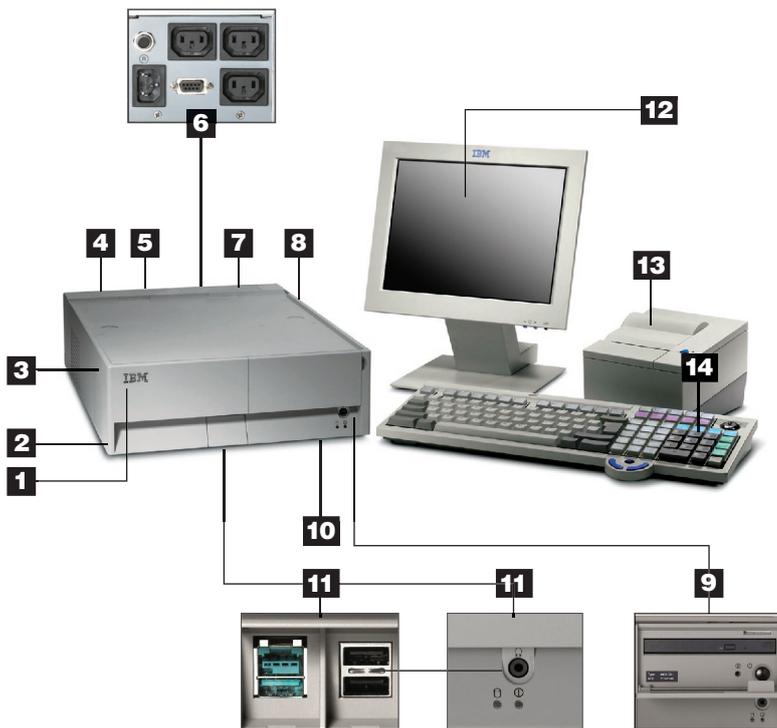
Software

Operating systems supported ¹⁰	<ul style="list-style-type: none">• IBM Retail Environment for SUSE LINUX V2• IBM 4690 OS, V3 R3 or later• IBM 4690 OS Toolkit<ul style="list-style-type: none">– Astra– SureVision	<ul style="list-style-type: none">• Microsoft[®] Windows[®] 2000• Microsoft Windows XP Professional Edition with Service Pack 2• Microsoft Windows XP Embedded with Service Pack 2• Microsoft Windows Embedded for Point of Service
Drivers supported	<ul style="list-style-type: none">• UPOS 1.7.5 (includes OPOS, JavaPOS™, POSS for Linux)	<ul style="list-style-type: none">• POSS for DOS 2.1.1
Applications supported	<ul style="list-style-type: none">• IBM SurePOS ACE for 4690 OS• IBM General Sales Application• IBM 4680-4690 Supermarket Application• IBM VisualStore	<ul style="list-style-type: none">• Multiple IBM Business Partner software solution• Additional customised IBM applications
Management tools	<ul style="list-style-type: none">• IBM Remote Management Agent• IBM Director	

Services

Limited warranty ¹¹	<ul style="list-style-type: none">• One year onsite service
Service Pacs	<ul style="list-style-type: none">• One year and two year additional service available
Technical support	<ul style="list-style-type: none">• 24hr phone support (during warranty period)¹² and web-based help
Service availability	<ul style="list-style-type: none">• Up to 7 years following withdrawal from the market

IBM SurePOS 700 Series features



- 1** Intel processors up to 3GHz give outstanding speed and enable the latest 64-bit operating systems
- 2** RAID support allows mirroring to help eliminate downtime if a hard file fails

- 3** Serial ATA hard drives deliver speeds of up to 7200 revolutions per minute for improved application performance (optional)¹³
- 4** PCI Express slot (one lane, no graphics) enables wireless technology (optional)

- 5** Peripherals attach directly to IBM SurePorts, including powered USB (please see IBM SurePorts chart)
- 6** UPS allows you to complete transactions if a power outage occurs (optional)
- 7** 10/100 Ethernet port offers extensive speed and bandwidth¹⁴
- 8** Integrated systems and power management capabilities
- 9** CD-ROM runs multimedia applications (optional on select models)
- 10** Choose distributed or integrated configuration, in storm, litho or iron grey
- 11** Front access to USB, powered USB and headphone ports for easy device attachment (model dependent)
- 12** IBM SurePoint Solution for GUI or touchscreen applications (optional)
- 13** IBM SureMark Printer provides high-quality thermal printing (optional)
- 14** ANPOS keyboard with pointing device (optional)

IBM SurePOS 700 Series new model highlights

Model 782	Performance
	<ul style="list-style-type: none"> • Intel Pentium 4 531 (3GHz) • 512MB DDRII memory (2GB maximum) • 80GB SATA HDD (7200 RPM) • Second HDD optional • Internal and external CD-ROM options • External FDD options • 2 PCI slots standard, 1 PCI slot and 1 PCI Express slot optional
Model 742	Value
	<ul style="list-style-type: none"> • Intel Celeron 326 (2.5GHz) • 256MB DDRII memory (2GB maximum) • 40GB SATA HDD (7200 RPM) • Second HDD optional • Internal and external CD-ROM options • External FDD options • 2 PCI slots standard, 1 PCI slot and 1 PCI Express slot optional
Model 722	Entry
	<ul style="list-style-type: none"> • Intel Celeron 2GHz/400MHz FSB • 128MB DDR memory (2GB maximum) • 40GB IDE HDD (7200 RPM) • External CD and FDD options • 2 PCI slots standard
Model C42	Controller
	<ul style="list-style-type: none"> • Intel Celeron 326 (2.5GHz) • 512MB DDRII memory (2GB maximum) • 40GB SATA HDD (7200 RPM) • CD-ROM standard, DVD upgrade optional • 104-key preferred pro full size keyboard (PS/2)(US only)

For more information

To learn more about the IBM SurePOS 700 Series and other POS solutions from IBM, please contact your local IBM representative or visit: ibm.com/industries/retail/store



© Copyright IBM Corporation 2005
All Rights Reserved

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

Printed in the United States of America
05-05

-
- ¹ IBM is not the licensor of any Business Partner's product or service and makes no warranties, express or implied, including any implied warranties of merchantability or fitness of a particular purpose. Statements made by IBM Business Partners that offer Ready for IBM Retail Store Innovations products are provided by the relevant third party and not IBM.
 - ² A single POS printer can be plugged in and operational.
 - ³ 24V available in Japan.
 - ⁴ Default connectivity selection unless otherwise indicated at the time of ordering.
 - ⁵ GHz refers only to microprocessor internal clock speed; many factors affect application performance.
 - ⁶ GB equals one billion bytes when referring to storage capacity; accessibility may be less.
 - ⁷ Memory supports both system and video. Accessible system memory will be the installed memory size minus the amount defined for video.
 - ⁸ Not all peripherals are available in all countries. Please contact your local IBM representative for details.
 - ⁹ Power management functionality is device dependent.
 - ¹⁰ With the exception of models 782/742, an operating system is not included, and can be purchased separately.
 - ¹¹ For a copy of the terms and conditions of IBM's Statement of Limited Warranty, please contact your IBM representative or reseller.
 - ¹² Technical support response times may vary.
 - ¹³ Requires separate Internet access account (not included).
 - ¹⁴ Speeds depend on many factors and may be less than the maximum possible.

Without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions; therefore, this disclaimer may not apply to you.

® IBM, the IBM logo, the On Demand Business logo, PS/2, the Ready for IBM Retail Store Innovations Mark and the trademarks contained therein, SureMark, SurePoint, SurePOS, Tivoli and Wake on LAN are trademarks of International Business Machines in the United States, other countries, or both

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

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

™ Linux is a trademark of Linus Torvalds 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.

The IBM home page can be found at ibm.com.

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

Cover shows model 782 configured with optional components: IBM SureMark Printer (TG4), IBM SurePoint Solution and ANPOS Web-enabled keyboard with pointing device.

Page 5 shows model 782 configured with optional components: IBM SureMark Printer (TM6), IBM SurePoint Solution and ANPOS Web-enabled keyboard with pointing device.