

Improving the customer experience with advanced POS performance and functionality



## IBM SurePOS 700 Series

SurePOS 720, 740 and 780



Model 781 shown configured with optional components: IBM SureMark printer (TM6), IBM SurePoint Solution and ANPOS Web-enabled keyboard with pointing device.

### Optimising solution flexibility to help you customise your retail environment

By providing you with a range of choices in speed, size, colour and connectivity, as well as in applications, peripherals and display technologies, we enable you to design and implement a POS solution customised directly to your preferences and retail needs. Equipped with leading-edge IBM SurePorts, the SurePOS 700 Series helps give you the flexibility to select the connection options you require. Plus, these retail-hardened systems support diverse third-party applications and peripherals, including Ready for IBM Retail Store Innovations solutions developed by independent software and hardware vendors and validated for use with IBM POS technologies.<sup>1</sup>

#### Highlights

- **Helps enable you to dynamically adapt your POS systems to changes in consumer demands**
- **Enhances flexibility by providing appearance, connectivity, application and peripheral options**
- **Helps safeguard existing investments through compatibility with many retail technologies and staged migration**
- **Leverages powerful technology wrapped in a rugged, retail-hardened design.**

### Transforming retail with faster, more flexible point-of-sale systems

The IBM SurePOS 700 Series delivers the advanced power and functionality your organisation requires to quickly and efficiently respond to changes in the fast-paced on demand retail environment. Fast POS transaction processing speeds and accuracy help enhance the customer experience and increase employee productivity. Extensive customisation choices enable you to design the right solution to help meet your specific business needs.



**Protecting your technology investments through paced transformation**

The IBM SurePOS 700 Series provides a staged migration path for transitioning existing peripherals and technologies, so you can update your systems at the pace that makes sense for your business. In addition, this offering supports a broad spectrum of industry-standard technologies and operating systems.

**Featuring advanced technology to support consumer convenience**



Built to withstand the rugged retail environment, the durable IBM SurePOS 700 Series can help reduce system maintenance costs and downtime. As SurePOS 700 Series systems are equipped with

leading-edge Intel technology, such as the Intel Pentium 4 processor, you can count on fast, reliable transaction processing throughout your stores. Sophisticated touch-screen technology enables you to customise your POS interfaces to address the specific day-to-day needs of both your customers and your customer-facing employees. Plus, innovative plug-and-play<sup>6</sup> connectivity enables you to connect with virtually any industry-standard POS technology.

**Relying on IBM retail expertise**

When you work with IBM to implement a SurePOS 700 Series solution, 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>I/O Ports</i>	<i>Cash drawer</i>	<i>Powered USB (24V)<sup>o</sup></i>	<i>Powered USB (12V)</i>	<i>RS-485 port 7 (38V)<sup>*o</sup> printer</i>	<i>RS-485 port 5 keyboard</i>	<i>RS-485 port 4 customer display</i>	<i>RS-485 port 9 customer display/ scanner</i>
<i>Powered USB<sup>**</sup></i> 	2	1	7	–	–	–	–
<i>RS-485/powerd USB</i> 	2	1	2	1	1	1	2

\* 24V available in Japan.  
<sup>o</sup> A single POS printer can be plugged in and operational.  
<sup>\*\*</sup> Default connectivity selection unless otherwise indicated at the time of order.

## IBM SurePOS 700 Series solution at a glance

Product name	SurePOS 720	SurePOS 740		SurePOS 780
Model number	721	741	C41	781
Processor <sup>4</sup>	1.2GHz VIA (133MHz FSB)	2GHz Intel Celeron (400MHz FSB)	2GHz Intel Celeron (400MHz FSB)	2.4GHz Intel Pentium 4 (533MHz FSB)
<b>Storage</b>				
Hard disk drive <sup>5</sup>	40GB option	40GB option	40GB standard	80GB standard
System memory	128MB (512MB maximum)	256MB (2GB maximum)	512MB (2GB maximum)	512MB (2GB maximum)
Video memory (shared with system memory) <sup>7</sup>	32MB (maximum)	64MB (maximum)	64MB (maximum)	64MB (maximum)
NVRAM	128KB	128KB	128KB	128KB
<b>Expansion options</b>				
PCI slots	2	2	2	2
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)	Internal (24X)	Internal (24X)
Battery backup	Internal UPS (wide only)	Internal UPS (wide only)	Internal UPS (wide only)	Internal UPS (wide only)
<b>Connectivity</b>				
IBM SurePorts	See "IBM SurePorts" chart for a full description of IBM SurePorts and connectivity options for 721, 741 and 781 machines. C41 controller model does not include SurePorts.			
Powered USB ports (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	Back	Back and front	Back and front	Back and front

## IBM SurePOS 700 Series solution at a glance (continued)

Peripheral options <sup>8</sup>		
Displays	<ul style="list-style-type: none"> <li>IBM SurePoint Solution (touch and non-touch)</li> <li>USB 40-character and character/graphics displays</li> </ul>	<ul style="list-style-type: none"> <li>RS-485 40-character and character/graphics displays</li> <li>Monochrome CRT display</li> </ul>
Printers	<ul style="list-style-type: none"> <li>IBM SureMark printer</li> <li>IBM Model 4 printers</li> </ul>	<ul style="list-style-type: none"> <li>IBM 4689-TD5 SurePOS printer</li> <li>IBM Fiscal printers</li> </ul>
Keyboards	<ul style="list-style-type: none"> <li>USB 50-key, 133-key and ANPOS keyboards</li> <li>RS-485 50-key, 133-key and ANPOS keyboards</li> </ul>	<ul style="list-style-type: none"> <li>PS/2 ANPOS and compact ANPOS keyboards</li> </ul>
Cash drawers	<ul style="list-style-type: none"> <li>Full-size, compact and flip-top</li> </ul>	
Integration kits	<ul style="list-style-type: none"> <li>Slant-top tray, table-top slant tray and cash drawer slant tray</li> </ul>	
Industry standards		
Systems management	<ul style="list-style-type: none"> <li>WfM</li> <li>SMBIOS</li> </ul>	<ul style="list-style-type: none"> <li>WOL</li> <li>PXE</li> </ul>
Power management <sup>9</sup>	<ul style="list-style-type: none"> <li>APM and ACPI</li> </ul>	
System dimensions and weight		
Dimensions	<ul style="list-style-type: none"> <li><b>Narrow (WxDxH):</b> 322mm x 475mm x 116mm (12.6" x 18.7" x 4.6")</li> <li><b>Wide (WxDxH):</b> 442mm x 475mm x 116mm (17.4" x 18.7" x 4.6")</li> </ul>	
Weight	<ul style="list-style-type: none"> <li><b>Narrow:</b> 22 lbs (10 kg)</li> <li><b>Wide:</b> 26 lbs (11.8 kg)</li> <li><b>Wide (with UPS):</b> 39 lbs (17.7 kg)</li> </ul>	
Power requirements		
Power requirements	<ul style="list-style-type: none"> <li>Universal Switched Power Supply (47–63Hz)</li> <li>60W typical/200W maximum</li> </ul>	
Software		
Operating systems supported <sup>10</sup>	<ul style="list-style-type: none"> <li>IBM 4690 OS, V3R3 or later</li> <li>IBM 4690 OS Toolkit:                             <ul style="list-style-type: none"> <li>–Astra</li> <li>–SureVision</li> </ul> </li> <li>Microsoft® Windows® 2000</li> </ul>	<ul style="list-style-type: none"> <li>Microsoft Windows XP (Professional Edition)</li> <li>Microsoft Windows XP (Embedded)</li> <li>Red Hat Linux V7.3</li> <li>IBM PC DOS 2000</li> </ul>
Drivers supported	<ul style="list-style-type: none"> <li>OPOS 1.7.0</li> <li>JavaPOS™ 1.7.0</li> </ul>	<ul style="list-style-type: none"> <li>POSS for Linux 1.2.0</li> <li>POSS for DOS 2.1.1</li> </ul>
Applications supported	<ul style="list-style-type: none"> <li>IBM SurePOS ACE for 4690 OS</li> <li>IBM General Sales Application</li> <li>IBM 4680-4690 SuperMarket Application</li> <li>IBM VisualStore</li> </ul>	<ul style="list-style-type: none"> <li>Multiple IBM Business Partner software solutions</li> <li>Additional customised IBM applications</li> </ul>
Services		
Limited warranty <sup>11</sup>	<ul style="list-style-type: none"> <li>One year onsite service</li> </ul>	
Technical support	<ul style="list-style-type: none"> <li>24x7 phone support (during warranty period)<sup>12</sup> and Web-based help</li> </ul>	

(Note: please see final page for footnote explanations.)

# IBM SurePOS 700 Series features



- 1 **Peripherals attach directly to IBM SurePorts – including powered USB (Please see “IBM SurePorts” chart)**
- 2 **Available in both light grey (storm) and dark grey (iron), and in distributed or integrated configurations**

- 3 **Optional UPS helps prevent data loss and allows transactions to be completed in the event of a power outage**
- 4 **10/100 Ethernet offers extensive speed and bandwidth to handle Internet and Intranet applications<sup>2</sup>**

- 5 **Front access to USB and powered USB ports for easy attachment of portable devices (model-dependent)**
- 6 **Front access to headphone port as well as integrated sound features for multimedia applications (model-dependent)**
- 7 **Systems management features for remote POS terminal management**
- 8 **Power management system provides energy-efficient operation**
- 9 **CD-ROM for running multimedia applications (optional on selected models)**
- 10 **Direct memory access (DMA) hard drives deliver speeds of 7,200 revolutions per minute for improved<sup>3</sup> application performance (optional)**
- 11 **Alphanumeric point-of-sale (ANPOS) keyboard with pointing device (optional)**
- 12 **IBM SureMark printer provides high-quality thermal printing (optional)**
- 13 **IBM SurePoint solution for graphical user interface or touch-screen applications (optional)**

Model 781 shown configured with optional components: IBM SureMark printer (TG4), IBM SurePoint Solution and ANPOS Web-enabled keyboard with pointing device.

## IBM SurePOS 700 Series new model highlights

Model 781	Performance	
	<ul style="list-style-type: none"> <li>• 2.4GHz Intel® Pentium™ 4 processor<sup>4</sup></li> <li>• 512MB DDR memory</li> <li>• 80GB HDD (7,200 RPM) standard<sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Four RS-232 ports</li> <li>• Front-access ports (one powered USB, two PC USB, one headphone)</li> </ul>
Model 741	Value	
	<ul style="list-style-type: none"> <li>• 2GHz Intel Celeron® processor<sup>4</sup></li> <li>• 256MB DDR memory</li> <li>• 40GB HDD (7,200 RPM) optional<sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Four RS-232 ports</li> <li>• Front-access ports (one powered USB, two PC USB, one headphone)</li> </ul>
Model 721	Entry	
	<ul style="list-style-type: none"> <li>• 1.2GHz VIA C3 processor<sup>4</sup></li> <li>• 128MB SDRAM memory</li> </ul>	<ul style="list-style-type: none"> <li>• 40GB HDD (7,200 RPM) option<sup>5</sup></li> <li>• Two RS-232 ports</li> </ul>
Model C41	Controller	
	<ul style="list-style-type: none"> <li>• 2GHz Intel Celeron processor<sup>4</sup></li> <li>• 512MB DDR memory</li> <li>• 40GB HDD (7,200 RPM) standard<sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li>• IBM 104-key preferred pro full-size keyboard (PS/2)</li> <li>• Four RS-232 ports</li> <li>• Front-access ports (one powered USB, two PC USB, one headphone)</li> </ul>

## For more information

To learn more about the IBM SurePOS 700 Series and other IBM POS solutions, please contact your local IBM representative, call 1 800 IBM CALL (1 800 426-2255) or 1 770 863-1000 outside the U.S. and Canada, or visit:

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  - 2 Requires separate Internet access account (not included).
  - 3 Speeds depend on many factors and may be less than the maximum possible.
  - 4 GHz refers to only microprocessor internal clock speed; many factors affect application performance.
  - 5 GB equals one billion bytes when referring to storage capacity; accessibility may be less.
  - 6 Support of USB hardware hot-plug and plug-and-play capabilities is dependent on both the operating system and the device.
  - 7 Memory supports both system and video. Accessible system memory will be the installed memory size less 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 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.