Peripherals

IBM SurePoint Solution – Touch/Nontouch models

Sales reference guide

Summary

The IBM SurePoint™ Solution is a family of flat-panel, full-color displays designed exclusively for retail that can be attached to virtually any point-of-sale (POS) system in the IBM portfolio. The family includes touchscreen models (capacitive and resistive) and nontouch models, as well as newer models that use advanced infrared touchscreen technology (see *Peripherals: IBM SurePoint Solution – Touch (IR) models*). The touch/nontouch models covered here can be configured with up to five separate interface options: full-screen display, touchscreen interface, keypad, pointing device, and speaker/microphone system. Fourteen models are available, providing a wide range of choices for size, touch/nontouch and connectivity. All models deliver high-quality video, and select models offer audio and digital video. With the IBM SurePoint Solution, retailers in specialty, grocery, food service, gas and convenience and other segments can choose the ideal combination of interface options to meet specific needs for POS, point-of-service or other specialized applications. These displays are also fundamental requirements for achieving two imperatives of e-business on demand™. Their high-quality video and sound help retailers visually transform the POS experience to satisfy and motivate shoppers, while their touchscreen capabilities can improve training time and productivity, effectively empowering store employees.

Key messages

1. The IBM SurePoint Solution is extremely versatile

It can meet an extraordinary range of retailer needs across multiple segments. Whether retailers want a display-only device, or a display that also supports touchscreen operation, keypad data entry, mouse-free browser navigation and voice recognition, the IBM SurePoint Solution provides a reliable configuration. Depending on the system unit, it can serve as an operator interface, standalone advertising station or customer-facing display.

2. The IBM SurePoint Solution is easy to operate

It provides a high-brightness, high-resolution, full-color, full-screen display interface that is easy to read. Each component is ergonomically designed for efficient operation. The tilt angle is adjustable to accommodate users of different heights, the pointing device is centered for right- or left-handed users, and the display offers several mounting options so it can be placed for easy access.

3. The IBM SurePoint Solution provides strong investment protection

It integrates smoothly with the IBM SurePOS™ 4694 System, IBM SurePOS 700 Series, IBM SurePOS 500 Series and the IBM SurePOS 300 Series. It offers RS-485 or USB connectivity. Operating system support includes IBM 4690 Operating System (OS), Microsoft® Windows®, and it meets OPOS and JavaPOS™ standards. All of which makes it easier for retailers to add GUIs, browser-based or touchscreen applications at the POS. In fact, with the IBM SurePoint Solution and either IBM SureVision GUI for 4690 or IBM 4690 GUI ASTRA software, retailers can add touchscreen capabilities to their stores without replacing their system units or proven POS software.

4. The IBM SurePoint Solution delivers high-quality video and sound

Many models provide exceptional video and sound quality for multimedia applications. All models offer SVGA resolution and active matrix technology for sharp, no-flicker video images. Several models offer an additional speaker/microphone kit, and an external sound card enables greater tonal control and lower distortion levels.

5. The IBM SurePoint Solution can reduce training time

Retailers that use the IBM SurePoint Solution on an enterprise-wide scale can train employees more quickly using full-motion video, audio prompts and touchscreen applications. They can move employees between departments or stores without retraining them on the display. Using the same interface in every store also helps minimize service and support costs.

IBM SurePoint Solution

Features	Benefits	The retail on demand connection
Retail-hardened design with sealed, spill-resistant construction	Safeguards electronics against dust, dirt, spills, humidity and electrostatic shock for stronger investment protection	Take out costs Operate with secure resilience
Compact design in 12.1" or 10" form factor	Provides a viewing area comparable to a much larger cathode ray tube (CRT) monitor, yet it is slimmer, more attractive and uses far less power	Transform the customer experience Take out costs
High-brightness, color active matrix liquid crystal display (LCD) with SVGA-capable resolution (800 x 600)	Delivers no-flicker, full-motion video and up to 16.7 million colors — so it can run virtually any graphics package or video application	Transform the customer experience
Integrates with many IBM POS systems — no adapter card required	Retailers can keep the IBM systems they already have in place, replace existing CRT monitors and gain the ability to run full-color GUIs, touchscreen applications and full-motion video	Take out costs
Less power consumption and heat dissipation than standard CRTs	Reduces retailers' total operating costs and creates a more comfortable POS environment	Take out costs
Variety of mounting options	Allows retailers to integrate the display onto the terminal, stand it alongside on a pedestal, or hang it from a wall — whichever choice is best for their store	Transform the customer experience
Display head swivels on the mounting stand slightly less than one full rotation	Enables cashiers to select the best viewing angle and prevents cables from getting twisted and tangled	Enable your people
Choice of Pearl white or Iron gray housing	Matches the look of new or existing POS equipment	Transform the customer experience
Integrated MSR (optional)	Fast, convenient card swiping	Transform the customer experience Enable your people
32-key programmable keypad (optional)	Enables keyed data entry with customizable keys for multiple retail applications	Transform the customer experience Enable your people
Programmable, two-position keylock (optional)	Enhances managerial security	Operate with secure resilience

Models overview

Model	Size	Color	Compatible system units	Video interface	I/O interface	Touch interface	Availability
10D	10" (254mm)	Pearl white	SP 4694, SP 720, 730, 740, 750, 780	Analog SVGA or DVI-I	N/A	Nontouch	Worldwide
1FR	10" (254mm)	Iron gray	SP 300, SP 500, SP 600	Analog SVGA or DVI-I	N/A	Nontouch	Worldwide
1FD	10" (254mm)	Iron gray	SP 300, SP 500, SP 600	Analog SVGA or DVI-I	N/A	Nontouch	US, Canada
42D	12.1" (307mm)	Pearl white	SP 4694, SP 300, SP 720, 740, 780	Analog SVGA	N/A	Nontouch	Worldwide
42T	12.1" (307mm)	Pearl white	SP 4694, SP 300	Analog SVGA	RS-232, PS/2	Capacitive touchscreen	Worldwide
4FD	12.1" (307mm)	Iron gray	SP 300, SP 500, SP 600, SP 720, 740, 780	Analog SVGA	N/A	Nontouch	Worldwide
4FT	12.1" (307mm)	Iron gray	SP 300, SP 500, SP 600	Analog SVGA	RS-232	Resistive touchscreen	Worldwide
46D	12.1" (307mm)	Pearl white	SP 4694, SP 720, 740, 780	Analog SVGA	RS-485	Nontouch	Worldwide
46R	12.1" (307mm)	Pearl white	SP 4694, SP 720, 740, 780	Analog SVGA	RS-485	Resistive touchscreen	Worldwide
46T	12.1" (307mm)	Pearl white	SP 4694, SP 720, 740, 780	Analog SVGA	RS-485	Capacitive touchscreen	Worldwide
48D	12.1" (307mm)	Pearl white	SP 4694, SP 700	DVI-D	USB	Nontouch	Worldwide
48T	12.1" (307mm)	Pearl white	SP 4694, SP 700	DVI-D	USB	Capacitive touchscreen	Worldwide
4WT	12.1" (307mm)	Pearl white	SP 4694, SP 730, 750, 720, 740, 780, SP 300	Analog SVGA or DVI-I	USB	Capacitive touchscreen	Worldwide
4GT	12.1" (307mm)	Iron gray	SP 730, 750, 720, 740, 780, SP 300, SP 500	Analog SVGA or DVI-I	USB	Capacitive touchscreen	Worldwide

Specifications

Model numbers	10D	1FR	1FD	46D	46T, 46R	48D	48T	42D	42T	4FD	4FT	4WT[1]	4GT[2]

Optional features

	10D	1FR	1FD	46D	46T, 46R	48D	48T	42D	42T	4FD	4FT	4WT[1]	4GT[2]
Keypad (with MSR)				●	●	●	●		●			●	
Pointing device				●	●	●	●		●			●	
MSR (3-track or JUCC)				●	●	●	●		●		●	●	●
Speaker/microphone kit				●	●	●	●		●			●	
Manager's key lock				●	●	●	●					●	●

Dimensions

	10D	1FR	1FD	46D	46T, 46R	48D	48T	42D	42T	4FD	4FT	4WT[1]	4GT[2]
WxDxH	10.25" x 2.00" x 8.63" (260.4mm x 50.8 mm x 219.2mm)			12" x 1.8" x 10" (300mm x 46mm x 254mm)									
Weight	3.25lbs (1.5kg)			3.9lbs (1.8kg)	4.1lbs (1.9kg)	3.9lbs (1.8kg)	4.1lbs (1.9kg)	3.9lbs (1.8kg)	4.1lbs (1.9kg)	3.9lbs (1.8kg)	4.1lbs (1.9kg)	4.1lbs (1.9kg)	4.1lbs (1.9kg)
MSR	N/A			2.5" x 1.5" x 7.6" (64mm x 39mm x 191mm) 0.44lbs (0.2kg)									
MSR and keypad	N/A			5.3" x 1.6" x 7.6" (132mm x 40mm x 191mm) 1lb (0.5kg) Please note: The weights for the MSR, and MSR and keypad are in addition to the display figures. When integrated, the MSR adds 1.7" (43mm) to the width of the display. The MSR and keypad add 4.4" (122mm) to the width of the display.									

Power consumption

	10W typical	24W typical

Operating systems supported

IBM provides POS subsystem (POSS) drivers to support the following operating systems:
- IBM 4690 OS V2 R4 or higher
- Microsoft Windows NT®
- Microsoft Windows 2000
- Microsoft Windows 95/98
- Windows 3.1
- DOS 7.0, 2000
- OPOS and JavaPOS compliant

Limited warranty

One year, IBM onsite service[3]

Models 1FD, 4FD and 4FT include depot service

IBM

[1] In its standard configuration, model 4WT does not support the keypad (with MSR), the MSR, the USB pointer or the keylock. However, support for all of these features may be added via feature code.

[2] In its standard configuration, model 4GT does not support the MSR or the key lock. However, all of these features may be added via feature code.

[3] For a copy of the terms and conditions of IBM's Statement of Limited Warranty, please contact your IBM representative or authorized reseller.