

System Comparison

Vendor	IBM	Radiant	IBM Advantage
Product	SurePOS 500	T160	+ - =
Model Number	4840-401 (514)		
Target Segment(s)	Food Service, Hospitality, Specialty, Lottery	Food Service, Hospitality, Specialty	=
Form Factor (Foot Print)	Integrated system unit and LCD display	Integrated system unit and LCD display	=
Mounting Options	Counter, Wall	Counter	+
Integration Trays	Yes	No	+
Display			
Screen Size	12.1" (Low/High Bright) Single Bulb	12.1" (High-brightness) Dual Bulb?	= / --
Touch Technology	5-wire Resistive	5-wire Resistive	=
Dual LCD Support	None	None	=
Processor	1.2GHz VIA C3 (133MHz FSB) Processor soldered	150MHz MIPS instruction set	+
Processor (upgrades)	None	unknown	?
Memory			
Base Memory	256MB (2x DIMM)	32MB	+
Memory Capacity	up to 2GB	unknown	+

Video Memory	64MB UMA video memory	integrated	=
Multi-Media Support	128 bit 2D & 3D graphics engine / integrated video accelerator	No. 2.5 Watt mono speaker	+
<b>Storage / Expansion</b>			
PCI Slots	No (USB 802.11b/g wireless dongle) Antenna enclosure	No	+
Hard Disk Drive	1x 40GB (3.5") 7200 rpm	No	+
Floppy Disk Drive (1.44MB)	Via USB port	Via USB port	=
CD-ROM	Via USB port	Via USB port	=
Compact Flash	512MB CF (opt.)	24MB Disk-on-chip 64MB (opt.)	+
<b>Connectivity</b>			
Tailgate	Fixed	Floating?	+
Video	VGA	SVGA	=
RS-232	3x std. / 1x power	8x power	--
USB standard PC (5V)	4x USB (2.0)	2x USB	+
Powered USB (12V or 24V)	1x 24V USB	No	+
PS/2 Keyboard / Mouse	1/1	unknown	+

RJ45 Ethernet (LAN) 10/100	1	1	=
Parallel	No	unknown	?
Cash Drawer	2 (24v)	unknown	?
AC (24V for Printer) Power Connector	Via powered USB	None	+
Microphone / Headphone	Headphone - Audio line out	No microphone	?
<b>Dimensions</b>			
12-inch (WxDxH)	12.6" x 12.8" x 15.1" 321mm x 325mm x 384mm	13.5" x 12" x 13" 343mm x 305mm x 330mm	--
15-inch (WxDxH)	N/A	N/A	
17-inch (WxDxH)	N/A	N/A	
<b>Weight</b>			
12-inch	23 lbs/10.5 kg (without MSR)	25 lbs/11.4 kg	=
15-inch	N/A	N/A	
17-inch	N/A	N/A	
<b>Power Management</b>	APM, ACPI	unknown	?
<b>Systems Management</b>	WfM, WOL, SMBIOS, PXE	unknown	?
<b>Power Supply</b>	76W /200W max. Universal Switched Power Supply	Passively cooled (No fan?)	--

<b>Operating Systems</b>	DOS, Linux (IBM IRES - SuSe Linux SLES 8 and 9), WIN 2K, WIN XPp, WIN Xpe, WEPOS	WIN CE	+
<b>Motion / Presence Sensor</b>	No	No	=
<b>Customer Displays</b>	Integrated and Distributed (attached via powered RS-232 port) - opt.	Integrated	=
<b>Spill Resistant</b>	Yes. Spill resistant interface between mating surfaces including touch screen, LCD, and plastic bezel	"Environmentally sealed"	=
<b>Warranty</b>	1-Year Depot	unknown	?
<b>Other</b>	One color - iron gray MSR - opt. (serial interface) 0 to 60 degrees (tilt) Locking hinge mechanism RoHS compliant (lead-free and other banned substances)	Integrated MSR	

## Notes

N/A

N/A

Wall-mounted option fits in bars, pubs or restaurants that have little or no available counter space; can be quickly converted from a counter to a wall unit reducing conversion costs. Ideal for providing product info to customers and staff when located throughout a specialty store.

Allows efficient use of critical counter space by integrating peripherals.

IBM use of low/high bright (single bulb) nearly as bright as comparable dual bulb configurations. Meets wider range of retailer needs. Exceptional image quality and improved screen visibility, even in brightly lit areas.

N/A

N/A

Faster VIA-class processor helps ensure quicker sales and service transactions to speed checkout and improve customer service.

N/A

More memory available as "standard" saves retailer money.

More memory capacity help ensure quicker sales and service transactions to speed checkout and improve customer service.

N/A

IBM SP500 (4840-XX3) has "some" multi-media capabilities. Video accelerator provides smoother frame rate and ability to display both 2D & 3D graphics and video.

Enables wireless POS terminals for more flexible store planning.

Provides more data and application storage options.

N/A

N/A

IBM SP500 offers larger CF option - allows more flexibility / expandability of client-based POS applications. CF memory eliminates the need for a hard drive at the POS.

SP500 uses a fixed tailgate with cable clamp. As operators tilt and adjust LCD panel - the peripheral cabling does not move. This greatly minimizes the risk of cable unseating and potentially saves a costly service call.

N/A

No counter.

Two times the USB ports provides retailer greater peripheral flexibility. Extra ports allow retailers to add more peripherals later, without buying a new system - which improves investment protection.

Powered USB allows retailer to attach peripherals (e.g. printers) without the need for external power bricks. Latching mechanism prevents cabling from being removed accidentally.

IBM design aids in servicing / running diagnostics and on POS.

N/A

N/A

N/A

Powered USB allows retailer to attach peripherals (e.g. printers) without the need for external power bricks. Latching mechanism prevents cabling from being removed accidentally.

Aids retailer in terminal computer-based training. Employee can train at POS without disturbing other lanes.

Radiant T160 has smaller footprint.

N/A

N/A

N/A

N/A

N/A

Eliminates wasted power consumption when system is idle, which keeps energy costs down and saves retailers money, especially for enterprises with hundreds of terminals.

Allows remote management of POS terminals to significantly reduce time and cost associated with uploading, upgrading, and updating terminals for system images and maintenance and remote access features (debug, logs, check settings).

No counter.

Broader operating system support, including Linux, increases flexibility, options for expandability and investment protection.

N/A

N/A

N/A

Radiant specific warranty T&C's are unknown.