HP rp3000
Point of Sale
Overview
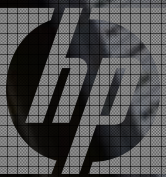
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- Solution value proposition

HP Point of Sale Portfolio

HP rp3000 point of sale solution

Optimized for mid-market and smb retailers

Windows® Vista® Business with downgrade to Windows XP Professional

FreeDos

Highlights:

- Efficient: Space-saving footprint and integration tray maximize counter, color-coded I/O ports aid in easy setup
- Retail-ready: low-power Intel® Atom™ processor is protected by a steel chassis and tested to 40° C
- Secure: locking cover hides ODD and power button
- Attractive: HP branding, clean back panel and integration tray present a sleek, pulled together look for customers

HP rp5700 point of sale solution

Flexible and stable POS, built to last

Windows® Vista® Business with downgrade to Windows XP Professional

Microsoft Windows Embedded for Point of Service (WEPOS)

FreeDos

Highlights:

- Reliable: rugged design backed by a 3-year warranty
- Flexible: open standards and additional connectivity
- Green: Energy Star compliant power supplies, EPEAT gold
- Secure: optional RAID, removable hard drive
- Powerful: choice of high-performance Intel processors
- Stable: 5-year lifecycle

HP POS Accessories

Cash Drawer

POS Keyboards with and w/o MSR

MSR w/monitor bracket

Thermal Receipt Printer

Barcode Scanner

15" Touchscreen Monitor

Hybrid Receipt Printer with and w/o imaging

New!

Customer Pole Display

Optimized for mid-market and smb retailers
HP rp3000 point of sale solution

Features	Customer Benefits
Retail Hardened Design	Designed from the ground up to withstand the rigors of retail environments
Powered USB (12V / 24V)	Connect and power POS peripherals from the rp3000 system
Powered Serial	2 RS232 Serial Ports (configurable to 5V and 12V) allowing connection to legacy peripherals
Expandability	Full-height PCI slot (or optional PCIe x1) enables installation of multi-monitor, additional ports, etc
Intel Atom processor	Low-heat processor helps ensure system keeps cool, provides processing power needed for retail
Retail peripherals	Solution optimized and tested with full portfolio of HP branded peripherals
HP Integration Tray	Consolidate system and peripherals and neatly organize cables for clean appearance
Security	Lockable drive bays restrict tampering and support for Kensington, Noble and padlocks
3 year standard warranty	• HP award winning warranty • Parts available for up to 8 years after launch • HP Care Pack services available for

HP point of sale solution
rp3000 point of sale specifications

SPECIFICATIONS

PROCESSOR:	Intel® Atom™ 230
OPERATING SYSTEM:	Windows® Vista® Business with downgrade to Windows XP Professional
	FreeDos
SYSTEM MEMORY:	Dual Channel, PC2-3200, PC2-4200, or PC2-5300, PC2-6400 DDR2
HARD DRIVE:	SMART III serial ATA 3.0Gb/s
NIC:	Broadcom 5764M
Connectivity:	6 USB 2.0; plus 2 additional USB+POWER (1 @ 12V, 1 @ 24V)
	2 serial individually configurable to power 5V & 12 V
GRAPHICS:	Intel GMA 950
CHIPSET:	Intel 945GC
WARRANTY:	3 year on-site

HP rp3000 POS Solution
A closer look at the basic point of sale "stack"

HP Customer
Display Pole

HP 15" Touchscreen

HP Scanner

HP rp3000
integration tray

HP rp3000 point of sale

HP Thermal
Receipt Printer

HP Cash Drawer

Note: other hp branded peripherals available to customize the solution stack

HP rp3000 POS System: Connectivity

150W internal supply, to support system and powered retail peripherals	2 standard powered USB ports (12V and 24V)
Active PFC, auto-sensing voltage power supply	2 power cable RS232 ports
Full height PCI slot standard, with optional PCIx1 card support (can only support one or the other), can support dual head graphics	6 standard USB 2.0 ports
Color coded i/o ports for ease of set up	10/100/1000 NIC
Standard audio line in and out ports	2 standard PS/2 ports
VGA port for integrated graphics	Support for Kensington, Noble, and pad locks

HP rp3000 vs. rp5700 point of sale: System Comparison

	rp3000	rp5700
Target Market	Small to mid-sized businesses in need of basic POS	Mid-sized to Large businesses needing flexibility and stability
Retail-hardened design	Yes	Yes
Standard Powered USB and Serial ports	Yes	Yes
Tested to a 40°C environment	Yes	Yes
HP BIOS	Yes	Yes
Environmentally-friendly	Yes	Yes
Expandability	1 PCI (Optional PCIe x1)	2 PCI, PCIe x1
RAID capability	No	Yes
Front USB	No	Yes
Global Skus Available	No	Yes
Lifecycle	3 years	5 years
Tool-less Chassis	No	Yes

HP rp3000 POS versus HP rp5700 POS

Operating Systems [1]	rp3000	rp5700
Vista Downgraded to XP Pro	✓	✓
Windows Vista Business 32	Note 5	✓
Micrisoft POS Ready (WEPOS)	2Q09	✓
FreeDOS	✓	✓
Linux RedHat Certified	N/A	✓
Linux SuSe Novell Certified	N/A	✓
Chipset		
Intel Q963 Express		✓
Intel 945 GC/ICH7	✓	
Processors		
Core 2 Duo E6400e (2.13 GHz)		✓
Pentium Dual Core E2160 (1.8 GHz)		✓
Celeron CEL440 (2.0 GHz)		✓
Intel Atom N230 (1.6GHz)	✓	
Memory		
DIMM Slots	2	4
DDR2 Memory Size (Min - Max)	1 to 2 GB	512 MB to 4 GB
Hard Drives		
80 and 500 GB	N/A	✓
160 and 250 GB	✓	✓
Removable Drive (ODD Slot)	N/A	✓
Optical Drives		
16x / 48x DVD-ROM	✓	✓
DVD+/RW Lightscribe	✓	✓
NIC / Communications		
Integrated Broadcom NetXtreme (GigE)		✓
Integrated Broadcom 5764 (GigE)	✓	

I/O Ports / Connectivity	rp3000	rp5700
RJ45 (GigE)	1	1
PS/2 Ports (e.g., Keyboard, Mouse)	2	2
USB Ports (2.0 Volts/Standard USB)	6	6 (4 Rear, 2 Front)
USB+ Powered Ports (V = Volts)	each +24V; 1 each +12V	each +24V; 3 each +12V
Total USB Ports	8	10 (8 Rear, 2 Front)
RS232 Serial/COM Ports*	2	2
*Power Configurable (V = Volts)	+5V or +12V	+5V, +9V or +12V
Audio Line-Out & Audio Line-In	1 each	1 each
Parallel Port	N/A	✓
VGA Port	1	1
Expansion Slots		
PCI Full-Height Slots	1	2 (see note 2)
PCIe x1 Slot	see note 3	1
ADD2/SDVO Slot (Dual Display)	see note 4	1
Total Expansion Slots	1	4 (see note 2)
Security		
Lockable Front Cover	✓	N/A
Wall-Mount / Security Sleeve (AMO Kit	N/A	✓
Power Supply		
Internal, 240 Watt, Auto Switching, 80+		✓
Internal, 150 Watt, Auto Switching	✓	
Miscellanous / Mechanical		
Dimensions	5.16"W x 8.27"D x 3.27"H	13.4"W x 15"D x 3.94"D
RAID (Installed from HP Factory)	N/A	✓
40° C (104° F) Ambient Thermal Suppor	✓	✓
Servicability	Non-Toolless	Toolless
EPEAT Compliant (Environmental)	N/A	✓
Product Lifecycle	3 years	5 years
Warranty (Parts/Labor/Service)	3/3/3 years	3/3/3 years

N/A = Not Available; AMO = After Market Kit

[1] For rp3000, initial OS support is Vista Downgrade to XP Pro; Vista and WEPOS to be added later

[2] On the rp5700 POS, one of the PCI Full-Height Slots is reserved for the Powered USB+ Port Card

[3] PCIe x1 Riser Card is available as an AMO Kit and can be inserted in the PCI Full-Height Slot

[4] ADD2 Slot not available on rp3000; however, PCIe x1 Graphics Card can be used for dual display

[5] Windows Vista Busiess 32 avaiable from Recovery CD on the Vista Downgarded to XP Pro CD

HP POS Peripherals & Accessories

Current

Cash Drawer   POS Keyboard   Magnetic Strip Reader (MSR)   Thermal Receipt Printer   Barcode Scanner   15" Touchscreen Monitor

New (available October'08)

rp3000 Integration Tray (available 12/15)   POS Keyboard w/MSR   MSR with mounting bracket   Hybrid Receipt Printer   Hybrid Receipt Printer w/Imaging   Customer Pole Display

HP point of sale solution
Thermal Receipt Printer specifications

SPECIFICATIONS

Type	Single-station two color and monochrome thermal printer
Speed	Prints up to 74 lines per second
ReceiptWare	Flexible receipt editing software for customizing your sales receipts
Spill-resistant	Built-in liquid dam with drainage prevents damage to printing mechanism
Memory	4 MB Flash Memory for custom tasks
Paper	90mm paper roll capacity; quickly and easily replaced w/Clamshell™ drop-in paper loading
Interface	24V powered USB
Dimensions	5.34 x 5.66 x 7.24 in (H x W x D) (134 x 144 x 184 mm)
Warranty	1 year limited (parts replacement)
	3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Hybrid Printer specifications

SPECIFICATIONS

Hybrid	Two-color or monochrome thermal printer on top for receipts; Impact slip printer on the bottom for inserted forms and checks
MICR	Built in Magnetic Ink Character Recognition for check reading and validating
Scanner	Scans both sides of check or ID in a single feed
Speed	Prints up to 56 lines per second
Memory	2MB; shared for graphics, logos, user defined characters and user data storage
Paper	90mm paper roll capacity; quickly and easily replaced w/Clamshell™ drop-in paper loading
Interface	24V powered USB
Dimensions	6.5 in. x 11.4 in. x 6.6 in. (W x D x H) (165.10 mm x 289.56 mm x 167.64 mm)
Warranty	1 year limited (parts replacement)
	3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Hybrid Printer w/Imaging specifications

SPECIFICATIONS

Hybrid	Two-color or monochrome thermal printer on top for receipts; Impact slip printer on the bottom for inserted forms and checks
Imaging	Create image files for Check 21 processing
MICR	Built in Magnetic Ink Character Recognition for check reading and validating
Scanner	Scans both sides of check or ID in a single feed
Speed	Prints up to 56 lines per second
Memory	2MB; shared for graphics, logos, user defined characters and user data storage
Paper	90mm paper roll capacity; quickly and easily replaced w/Clamshell™ drop-in paper loading
Interface	24V powered USB
Dimensions	6.5 in. X 13.25 in. X 6.65 in. (W x D x H) (165.10 mm X 336.55 mm X 168.91 mm)
Warranty	1 year limited (parts replacement) 3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Integrated Keyboard and MSR specifications

SPECIFICATIONS

Swipe	Bi-directional swipe reads 1, 2 or 3 tracks of magnetic information
Keys	106-position key layout, with 28 configurable keys
Touchpad	Integrated, with two mouse buttons
Spill-resistant	IP54 spill and dust resistant key area
Design	Attachable keyboard feet to elevate the rear of the keyboard
Interface	USB
Dimensions	14.2 x 7.8 x 1.5 in (H x L x W) (36.0 x 19.8 x 3.8 cm)
	Optimum space efficiency for retail environment
Warranty	1 year limited (parts replacement)
	3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Customer Display Pole specifications

SPECIFICATIONS

Display Type	Vacuum Fluorescent Display, Blue Green
Text	5 x 7 dot matrix, cursor; 20 columns, 2 lines
Command Modes	Supports multiple command modes with EPSON set as default
Base	Standard rectangular base or optional circular mini-base for stability in a small space
Interface	USB
Dimensions	Panel: 225 x 50 x 86mm Pole: 3 supports included: 130mm each
Warranty	1 year limited (parts replacement) 3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Mag Stripe Reader specifications

SPECIFICATIONS

Flexible	Free-standing unit, mounted to a surface, or attached to an HP touch screen or flat panel
Direction	Bi-directional
Tracks	Reads up to three tracks of magnetic information in a single swipe
Indicators	Tri- colored LED, beeper
Interface	USB
Dimensions	3.5 x 1.3 x 1.1 in (L x W x H) (9 x 3.4 x 2.8 cm)
Mounting Brackets	Included for mounting to HP Touchscreen or displays with standard VESA bracket
Warranty	1 year limited (parts replacement) 3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Cash Drawer specifications

SPECIFICATIONS

Quality	Heavy duty, robust construction ensures durability and long life
Interface	Operates through HP USB Receipt Printer
Till	Adjustable dividers separate and organize sections for bills and coins
Lock	Four-function offering levels of security: locked closed, locked open, online and manual open.
Dimensions	4.9 x 16 x 16.7 in (H x W x D) (12.5 x 40.6 x 42.4 cm)
Warranty	1 year limited (parts replacement) 3 year onsite with purchase of rp3000 or rp5700 platform

HP point of sale solution
Touchscreen specifications

SPECIFICATIONS

Type	15-inch Active Matrix TFT
Design	Rugged, stable tilt base, and buttons located on side all "designed for touch"
Touch	Surface Acoustic Wave (SAW) touch technology for accurate input
Glass	Chemical-resistant glass offers a more durable alternative to film-coated display screens
Flexibility	Functions as countertop or wall-mountable; VESA mount optional
Viewing Angle	120 degrees horizontal/100 degrees vertical
Dimensions (w/stand)	12.2 x 13.8 x 6.9 in. (H x W x D) (31.0 x 35.0 x 17.5 cm)
Warranty	3 year limited (parts replacement)

HP point of sale solution
Scanner specifications

SPECIFICATIONS

Design	Durable, light-weight hand-held scanner with hands-free Intellistand™
Type	Bi-directional
Speed	100 scans per second
Working Range	17 inches (43cm) on UPC and EAN symbols
Interface	USB
Weight	5.15 oz
Dimensions	6 H x 2.5 L x 3.3 W in (15.2 x 6.3 x 8.4 cm)
Warranty	1 year limited (parts replacement) 3 year onsite with purchase of rp3000 or rp5700 platform