



HP rp5800 Retail Solution

HP Solution Brief

Retail-ready,
configurable
and flexible
POS solution.

Flexible solution for your entire business

Manage multiple aspects of your business with the retail-ready HP rp5800 Retail System. Customize a solution that's designed specifically for use in retail situations with the HP rp5800 Retail System, a high-quality, robust, extended lifecycle POS platform. Add your choice of HP peripherals, such as a customer display, cash drawer, scanner, receipt printer, and touchscreen monitor.¹

The HP rp5800 Retail Solution offers maximum flexibility and performance for a range of businesses, from the local corner store to a national franchise with thousands of locations. Put the HP rp5800 to use on the retail floor as a robust point-of-sale solution, within a kiosk enclosure, and behind the scenes as a powerful back-office work station.

Performance driven

Advanced performance features such as 2nd generation Intel® Core processors with vPro™ technology,^{2,3} PC3 SDRAM, dual integrated graphics, and RAID support make the HP rp5800 an ideal system for demanding retail applications as well as large installations. The all new Intel® Core™ family of processors² are designed to provide enhanced performance for demanding retail and point-of-sale multi-tasking. Intel's vPro Technology³ enables out-of-band management, making it possible to do remote support of PCs in any power state and without a working operating system environment. The added peace of mind you'll get with RAID support and available Solid State Drive configurations make this a stable, secure point-of-sale platform for your retail infrastructure.

Expandable and configurable

With extra memory slots, multiple PCI Express (PCIe) slots, 3.5"/5.25" bays, and optional optical drives, the HP rp5800 has a flexible design that you can customize to fit your retail environment. Choose the right removable media for you or add a second hard drive with the internal and external bays. A full complement of ports and connectors including 24V Powered USB, up to six 12V Powered USB,¹ and seven standard USB 2.0 ports offers great expandability. You can connect to a broad range of point-of-sale accessories and options for greater productivity and flexibility to fit in your retail environment. Fully configurable, you can choose the combination of hard drive, solid state drive, and optical disk drive

storage devices that fit your data requirements. The HP rp5800 Retail System has 3 drive bays to allow you to take advantage of the latest technology while still working within your existing ecosystem.

To keep your system and solution contained, HP offers an Integration Assembly¹ designed to house the HP rp5800 Retail System and key peripherals keeping drives, ports and cords out of sight for greater safety and a tidy workspace. And, go wireless with the Wireless PCIe NIC⁴ option to connect to your network.

Designed with the environment in mind

To help you conserve energy and spend less on cooling, the HP rp5800 system has an 90% efficient power supply, enabling the system to draw less power from the power outlet. Additionally, the HP rp5800 can also be set for maximum power saving to minimize energy draw when turned off. HP Power Assistant⁵ provides an easy-to-use, preinstalled desktop application that puts you in control over your PC's energy usage by consolidating several power settings into one convenient tool. For instance, you can switch your PC to a low-power energy saving state after a designated amount of idle time or according to a preset schedule.

Supported by the brand you trust

With its retail-hardened design and extended lifecycle, the HP rp5800 Retail System offers oversized cooling that operates in an ambient 40°C environment (optional 50°C kit available, configuration limitations apply), higher endurance temperature rated capacitors that help resist heat and last longer, and other thoughtful design elements built in to protect equipment and data.

The comprehensive suite of HP retail peripherals and your choice of software from HP's valued technology partners help you design a complete POS solution that's just right for your business. For worry-free maintenance, HP provides a standard three-year limited warranty on all hardware components. You can also select from a range of HP Care Pack Services to extend your protection beyond the standard warranties⁶.

How to buy or Learn more

HP Point of Sale solutions – www.hp.com/go/rp5800
(Links to other sources)

Choose the options to create a system that's right for your environment



HP rp5800 Retail System
Intel® Core™ processor, Windows® 7, Embedded POSReady 2009. The durable, configurable chassis is made for retail environments.



HP L5009tm Display
Use as a customer-facing or associate display. The 15" diagonal, 4:3 standard aspect ratio ensures compatibility with your retail applications.



HP Heavy Duty Cash Drawer
Printer-driven operation, compact footprint designed around a full-size till and a robust steel construction.



HP Laser Barcode Scanner
Fast scan performance capable of reading barcodes from contact to 17-inch working range in an ergonomic, lightweight design.



HP Thermal Receipt Printer
Two-color and mono thermal printing. Spill resistant, compact with large paper roll capacity. One button programming.



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Component	Description
HP rp5800 Retail System	Highly configurable, choose between Intel® Core™ i3, i5, or i7, or Intel® Pentium® Dual Core processors ^{2,3} , OS options include Genuine Windows® 7 Professional or Genuine Windows Embedded POSReady 2009, or FreeDOS. Two half-height slots and 2 full-height slots available for configuration. Includes five USB 2.0 ports, USB +PWR port, RS232 serial ports, DisplayPort, VGA port, RJ-45, PS/2 keyboard and mouse, RJ-12 cash drawer port, and additional ports available on select models.
Peripheral Options	
HP L5009tm 15" diagonal Touchscreen Monitor	Features a stable, removable base engineered specifically for the physical demands of high-traffic touchscreen use. Acoustic Pulse Recognition (APR) touch technology works with hand, glove, stylus, credit card or other soft or hard inputs. Standard 75mm VESA mount for pole or wall mounting.
HP L1506x 15" LED Monitor	Standard aspect ratio, 15-inch WLED-Backlit LCD offering 400 nits of brightness, a 700:1 contrast ratio, and rated to operating temperatures of 50c. Can be used on included stand or mounted to a pole or wall using standard VESA mounting. Includes accessory rails for quick and easy mounting of the HP Mini MSR or an HP Speaker Bar.
HP POS Pole Display	Offers clear, easy-to-read 20-column x 2-line dot matrix in a wide viewing angle and supports three different heights. The display is powered and connected through standard USB port for easy integration with system.
HP Heavy Duty Cash Drawer	Designed to provide maximum performance and reliability, even in the most challenging retail environment. It features printer-driven operations, compact footprint designed around a full size till, robust gauge steel construction and steel roller bearings.
HP Thermal Receipt Printer	One of the fastest and most reliable thermal receipt printer on the market. Featuring a 250 mm/sec. max print speed, easy drop-in paper loading, a small footprint, and robust spill resistant construction.
HP Hybrid Printer with MICR	Dual station, two-color or monochrome thermal printer for receipts as well as an impact slip printer for inserted forms and checks. Built in Magnetic Ink Character Recognition for check reading and validation. Large paper roll capacity (3.5 in/90 mm); quickly and easily change paper rolls with drop-in paper loading system.
HP Laser Barcode Scanner	Provides excellent scan performance and accuracy with a robust, reliable and easy-to-use design. It features bi-directional scanning with 100 scans per second and the capability to read barcodes from contact to a 17 inch working range.
HP Imaging Barcode Scanner	Omnidirectional scanner that decodes most common 1D and 2D barcodes, able to read barcodes from a mobile device, and camera mode imager allows for enhanced data collection. The scanner can be used as a handheld device or operated hands-free. Intuitive feedback following a successful read allows for quick and accurate scanning.
HP POS Keyboard with MSR	Features a full QWERTY layout in a compact 14-inch form factor, that offers optimum space efficiency in retail environments with limited room. Its robust design also offers spill and dust-resistant keys. This multi-functional keyboard includes an integrated Magnetic Stripe Reader (MSR).
HP Mini Magnetic Stripe Reader	Just 3.5 inches long, bi-directional read capability automatically distinguishes between magnetic data formats and provides configuration of magnetic stripe data output format. It can be used as a free-standing unit or mounted to a surface (MSR brackets included).
Other Setup Options	
HP USB Optical Scroll Mouse	The HP USB Optical Scroll Mouse provides the speed and accuracy of optical tracking in a simple, elegant design. It records motion precisely on a variety of surfaces using the latest optical sensing technology.
HP External USB CD/DVD-R/RW Drive	Convenient, lightweight, portable data storage device; reads and writes a variety of optical disc formats.

*Not all features are in all editions of Windows 7. Systems may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.

1. Sold separately or as an optional feature.
2. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your HW and SW configurations. See www.intel.com/info/em64t.
3. vPro Technology - Some functionality of this technology, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future “virtual appliances” applications for Intel vPro technology is dependent on 3rd party software providers. Compatibility with future “virtual appliances” and Microsoft Windows 7 operating system is yet to be determined.
4. Wireless access point and Internet service required and sold separately. Availability of public wireless access points is limited.
5. HP Power Assistant may not be available in all regions. Use of this application is not required.
6. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at www.hp.com/hps/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/carepack.

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May 2011

