HP rp5800 Retail Solution

Retail-ready, configurable, and flexible POS solution.

Flexible solution for your entire business

Manage multiple aspects of your business and customize a complete 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, display arm, terminal enclosure, integration tray, 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 or behind the scenes as a powerful back-office work station.

Performance driven

Advanced performance features such as 2nd generation Intel® Core™ processors with Intel® vPro™ Technology,[2,3] PC3 SDRAM, dual integrated graphics, and RAID support help the HP rp5800 deliver the enhanced performance you need for demanding retail applications, large installations, and point-of-sale multi-tasking. Intel vPro Technology[3] enables out-of-band management for remote support of PCs in any power state and without a working operating system environment. The added peace of mind you'll get from 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 for your choice of secondary drives, and optional optical drives, the HP rp5800 can be customized to fit your retail environment. A full complement of ports and connectors including one 24V-powered USB, up to six 12V-powered USB, and seven standard USB 2.0 ports offer connectivity to a broad range of point-of-sale accessories and options for greater productivity and flexibility in your retail environment. The HP rp5800 Retail System has three drive bays so you can take advantage of the latest technology while still working within your existing ecosystem. To keep your system and solution contained, HP offers an Integration Assembly[1] 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. Go wireless with the Wireless PCIe NIC[4] 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 a 90% efficient power supply that draws less power from the power outlet, and can be set for maximum power saving to minimize the energy draw when turned off. HP Power Assistant[5] is an easy-to-use, preinstalled application that lets you control your PC's energy usage by consolidating several power settings into one convenient tool. For instance, you can switch to a low-power, energy-saving state after a designated idle time or on a preset schedule. The HP rp5800's oversized cooling operates in an ambient 40°C environment (optional 50°C kit available, configuration limitations apply) and higher endurance temperature-rated capacitors help resist heat and increase the lifespan.

Supported by the brand you trust

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 warranties[6].

HP rp5800 Retail Solution—Solution Brief

The HP rp5800 Retail Solution shown above includes the HP rp5800 Retail System and the selection of peripherals[1] shown below:

Solution components

HP rp5800 Retail System

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

HP L5009tm Display
VK202AA

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

FK182AA

Printer-driven operation, a compact footprint, and robust steel construction designed around a full-sized till. A wide selection of localized till inserts allows you to customize storage of bills and coins for your environment.

HP Laser Barcode Scanner
EY022AA

Fast scan performance capable of reading most common 1D barcodes from contact to 17-inch working range in a comfortable, lightweight design.

HP PUSB Thermal Receipt Printer

FK224AA

Powered USB two-color and monochrome thermal printer. Spill-resistant and compact with large paper roll capacity and one button programming.

HP rp5800 Terminal Enclosure

QQ971AA

Provides sturdy security for the HP rp5800 Retail System, manages cables attached to the rear I/O ports, and provides security by limiting access to these connectors.

HP rp5800 Integration Tray
QQ972AA

Holds a keyboard, barcode scanner, printer (of varying sizes) and may be used with the HP Display Pole Mount for displaying monitors.

HP Display Pole Mount
QQ973AA

Can be used as a stand-alone mount, attached directly to a counter top, or attached directly to the Integration Tray.

HP Optional Display Arm
QQ974AA

Use to attach a second monitor (up to 17.64 lb/8 kg total weight) to the pole.

HP rp5800 Retail Solution—Solution Brief

In addition to the peripherals shown on the previous page, HP has wide range of retail peripherals available to help you customize your HP rp5800 Retail Solution, as follows:

Additional peripheral options[1]

HP L1506x 15" LED Monitor

LL543AA

Standard aspect ratio, 15-inch diagonal WLED-Backlit LCD 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

FK225AA

Multi-size adjustable pole display provides customers with clear, easy-to-read information at the fastest data-transfer rate available.

HP Hybrid Printer with MICR

FK184AA

Dual-station, two-color or monochrome thermal printer for receipts or impact slip printer for inserted forms and checks.

HP Serial/USB Thermal Receipt Printer

BM476AA

This printer offers the same features as FK224AA with serial/USB connectivity to the system.

HP Imaging Barcode Scanner

BW868AA

Omnidirectional scanner decodes most common 1D and 2D barcodes, and reads barcodes from a mobile device; camera mode imager allows enhanced data collection.

HP Linear Barcode Scanner

QY405AA

Reads most common 1D barcodes, barcodes presented on mobile devices, and even barcodes that are poorly printed or damaged; can be used as a handheld or set it in the stand.

HP Presentation Barcode Scanner

QY439AA

On-counter presentation scanner offers a sleek design, small footprint, and efficient capture of most common 1D and 2D barcodes and barcodes from mobile devices. Brackets are included so you can mount it where you need it.

HP Mini Magnetic Stripe Reader with Brackets

FK186AA

3.5 inches long with bi-directional read capability that distinguishes between magnetic data formats and provides configuration of magnetic stripe data output format

HP Flip-Top Cash Drawer[7]

BW867AA

Heavy duty black case with a stainless steel lid that flips open for easy access from the top. Universal till features adjustable bill dividers and locking till cover.

Additional peripheral options[1] (continued)

HP Standard Duty Cash Drawer

QT457AA

Durable steel construction, compact footprint, and dual media slots make this a great, affordable solution for retail and hospitality environments.

HP POS Keyboard with MSR

FK218AA

Full QWERTY layout and integrated Magnetic Stripe Reader (MSR) in a compact 14-inch design for optimum space efficiency in retail environments with limited room.

HP Mobile USB DVD/RW

A2U57AA

Convenient, lightweight, and portable data storage device reads from and writes to a variety of optical disc formats.

HP USB Optical Scroll Mouse

DC172AA

The speed and accuracy of optical tracking in a simple, elegant design.

*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 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.
7. Available in EMEA only.