



HP RP7 Retail System, Model 7800

The elegant powerhouse

The next-generation all-in-one retail solution from HP. Sleek, stylish, and able to effortlessly integrate into your current environment, the HP RP7 Retail System can be customized for everything you need and nothing you don't.



Impressive everywhere you look

Enhance your store image with the modern, space-saving HP RP7, which has all the capabilities of a traditional retail solution and a sleek design that effortlessly fits into retail and hospitality environments. Use it on a counter or mounted on a wall; the unique dual-hinge base supports adjustable tilt and height for maximum comfort.

Sleek, flush-bezel edges also make the HP RP7 an appealing self-service kiosk that will attract customers and that your employees can't wait to use. Connection points on all four sides of the display lets you customize the exact combination of stylish HP retail peripherals (magnetic stripe reader, fingerprint reader or webcam) you need to complete your solution.¹

Performance you can trust

Quad-core 2nd Generation Intel® Core™ processors with Intel® vPro™ Technology (select configurations) deliver hardware-based remote management technologies and a stable, secure, and reliable infrastructure.^{2,3} DDR3 RAM technology helps ensure fast application loading and toggling between screens. Choose up to two hard drives or solid state drives with RAID capabilities.

Select a 15-inch or 17-inch diagonal display, and then customize it with intuitive and familiar projected capacitive touch technology or the flexible navigation features of resistive touchscreen.⁴ Intrusion protection helps protect against dust and liquid spills.

Add a sharp customer-facing display. The HP RP7 10.4-inch CFD Display is perfect for additional advertising and promotional opportunities. The HP RP7 VFD Customer Display offers easy-to-read price and product information.

Substance beyond style

The HP RP7 is retail-hardened for use in ambient environments up to 40°C. The steel chassis, on-board monitoring and alerts, and environmental and shock testing stand up to the long term wear and tear of retail environments.

The extended product lifecycle helps ensure consistency in your install base, and the three-year limited warranty on the entire solution gives you peace of mind about your investment.⁵

For more information, please visit www.hp.com/go/pos.



Left to right: The HP RP7 Retail System with cash drawer, printer, and barcode scanner. The HP RP7 Retail System wall mounted with a magnetic stripe reader and webcam. The HP RP7 Retail System configured with a customer-facing 10.4-inch diagonal display.



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SPECIFICATIONS

Operating system	Presintalled Genuine Windows® 7 Professional (32-bit or 64-bit)* Genuine Windows® Embedded POSReady 7 (32-bit or 64-bit) Genuine Windows® Embedded POSReady 2009 FreeDOS
Processor^{2,3}	2nd Generation Intel® Core™ i5 and i3 Processors, Intel® Pentium® Processors, Intel® Celeron® Processors (Select processors support Intel® VPro™ Technology)
Chipset	Intel® Q67 Express
Memory⁶	Four DIMMs, dual-channel; Standard non-ECC DDR3 PC3-10600 (1333 MHz) and PC3-8500 (1066 MHz) memory; supports up to 16 GB. NOTE: Dual channel memory configurations supported for enhanced performance. When memory is labeled DDR 800 MHz, it will clock down to run at 667 MHz system speed
Internal storage⁷	320 GB SATA 6.0GB/s hard drive (7200 rpm) SMART IV, 2.5; available 128 GB or 256 GB 2.5" Solid State Drive or 32 GB Flash Drive
Removable storage^{8,9}	HP DVD-ROM Drive, HP SuperMulti DVD Writer Drive, Blu-ray Writer Drive; optional HP 22-n-1 Media Card Reader
Audio visual¹⁰	Rear-line input (supports microphone or line input), lineout; line-out used if CFD installed; High Definition Audio with Realtek ALC261 codec (all ports are stereo); SRS Premium Sound audio management technology; Multi-streaming capable; Dual Internal Speakers (standard)
Communications	Integrated Intel® 82579LM Gigabit Ethernet Network Connection, Intel PRO 1000 CT Gigabit Ethernet Network Card, (PCIe x1) (optional), HP WLAN 802.11 b/g/n PCIe Network Card (optional)
Ports and connectors	7 USB 2.0 ports (1 port can be secured with a cover and security screw (included)), 1 port used if CFD installed; 1 port used if VFD installed; 2 USB+PWR 12V ports; 1 USB+PWR 24V port; 1 cash drawer port; 2 Powered Serial Ports; (+5V/+12V), F-10 Setup configurable; Parallel Port; 1 PS/2 port (can be used with keyboard or mouse); DVI-I port/if CFD used, this port is not available for a stand-alone display; RJ45 LAN; DC-Out jack (for CFD use only); DC-In jack (main power in from 180W power supply brick)
Power supply	180W EPS 87% Efficiency power supply – Active PFC; ENERGY STAR® compliant
Dimensions (W x D x H)	With stand and 15-inch diagonal display: 14.4 x 1.57 to 1.69 x 1.3 to 1.57 in (36.6 x 4.0 to 4.3 x 3.3 to 4.0 cm) With stand and 17-inch diagonal display: 15.2 x 1.57 to 1.69x 1.35 to 1.62 in (38.6 x 4.0 to 4.4 x 3.43 to 4.12 cm) Without stand and with 17-inch diagonal display: 15.2 x 3.56 x 13.3 in (38.6 x 9.05 x 33.89 cm) Without stand and with 15-inch diagonal display: 14.4 x 3.56x 12.32 in (36.6 x 9.05 x 31.3 cm)
Weight	Without stand and with 15-inch diagonal display: 13.78 lb (6.25 kg) Without stand and with 17-inch diagonal display: 15.43 lb (7 kg) With stand and with 17-inch diagonal display: 25.57 lb (11.6 kg) With stand and with 17-inch diagonal display: 27.23 lb (12.35 kg)
Warranty⁵	Limited warranty delivers on-site, next business-day service for parts and labor and includes free telephone support 24 x 7. The warranty terms vary by region and onsite and labor are not available in all countries. Depending on region and warranty terms, extended service offers terms up to 3 years by choosing a CarePack.
Certification and compliance	US ENERGY STAR®, IT ECO declaration, EPEAT® Gold where HP registers commercial desktop products. See http://www.epeat.net for registration status in your country.



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DISPLAY OPTIONS (One per configuration)

Display	HP RP7 15 inch Resistive AFD (B0T24AV)	HP RP7 15 inch Capacitive AFD Display (B0T23AV)	HP RP7 15 inch Capacitive AFD Display (B0T25AV)
Display panel	15-inch diagonal	15-inch diagonal	17-inch diagonal
Touch technology	5-wire resistive type	Projected Capacitive	Projected Capacitive
Resolution ¹¹	1024 x 768	1024 x 768	1280 x 1024
Max color	16.7M	16.7M	16.7M
Contrast ratio ¹¹	700:1	700:1	800:1
Brightness ¹¹	350 cd/m2	350 cd/m2	225 cd/m2
Pixel pitch	0.297mm x 0.297mm	0.297mm x 0.297mm	0.264 mm x 0.264mm
Viewing angle	160° horizontally and 140° vertically	160° horizontally and 140° vertically	170° horizontally and 160° vertically
Response rate ¹¹	25 ms on/off	25 ms on/off	20 ms on/off

OPTIONS¹²

HP Retail Integrated Fingerprint Reader (B0T13AV/QZ672A)	Additional security for retailers at the POS by enabling employee authentication procedure for opening the cash drawer to dispense cash and for approving certain transactions.
HP Retail Integrated Dual-Head MSR (B0T12AV/QZ673AA)	Enables MSR credit card transactions or loyalty card integration without adding clutter to the retail work space.
HP Retail Integrated Webcam (B0T03AV/QZ700AA)	Enables interactive technical support for retail serviceability; supports personalized customer interface with online/remote CSRs in a kiosk setup.
HP RP7 10.4-inch CFD Display (B0T22AV/QZ702AA)	10.4-inch diagonal non touch monitor perfect for advertising and promotional opportunities. Monitor comes standard as head only. HP Dual Position L6010 Stand (A1X79AA) is available for separate purchase.
HP RP7 VFD Customer Display (B0T26AV/QZ701AA)	2x20 customer-facing display offers easily readable price and product information.
HP RP7 Adjustable Stand (AQ703AA/ B0T02AV)	Use the stand for on-the-counter placement of the HP RP7 Retail System.

*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. Each sold separately. HP does not support the use of any other standard USB device on the displays beyond the HP Retail Integrated Fingerprint Reader, HP Retail Integrated Dual-Head MSR, and HP Retail Integrated Webcam.
2. Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 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 hardware and software configurations. Intel's numbering is not a measurement of higher performance.
3. 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. Microsoft Windows required.
4. Projected capacitive technology is available on 15-inch and 17-inch displays; resistive touchscreen is available on the 15-inch display.
5. Certain restrictions and exclusions apply. HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. 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.
6. Above 3 GB, all memory may not be available due to system resource requirements.
7. For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) of system disk is reserved for system recovery software.
8. Don't copy copyright-protected materials. Actual speeds may vary. Double Layer is a new technology. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided-Version 1.0 Media. Actual speeds may vary.
9. HP 16X SATA Blu-ray Writer data transfer rates up to 6,000 KB/s (CD) and 16,600 KB/s (DVD). Blu-Ray contains new technologies; certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played. Don't copy copyright-protected materials.
10. Audio input ports are re-taskable as a Line-in or Microphone-in port. External speakers must be powered externally. Multi-streaming can be enabled in the Realtek control panel to allow independent audio streams to be sent to/from the front and rear jacks. This allows for different audio applications to use separate audio ports on the system. For example, the front jacks could be used with a headset for a communications application while the rear jacks are being used with external speakers and a multimedia application.
11. All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
12. "CTO" product numbers ending in AV should be used when configuring the system at the initial point of purchase. "AMO" product numbers ending in AA should be used when adding peripherals after the initial purchase of a configured solution.



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