



# HP RP7 Retail System, Model 7100

## Durability never looked so good

Reliability your customers can count on. A fanless point of sale system that delivers reliability and speed of service for your most demanding settings.



**Above:**

- The HP RP7 Retail System with cash drawer, printer, and barcode scanner.
- The HP RP7 Retail System wall mounted with a webcam and magnetic stripe reader.
- The HP RP7 Retail System with the magnetic stripe reader.

**Note:** All images depict the Projected Capacitive display.

## Reliability you can trust

A breathtaking exterior is just the beginning. We also packed the HP RP7, Model 7100 Retail System with durable, reliable technologies that optimize speed of service and enhance guest experiences. The fanless, solid-state design supports deployment in customer-facing and staff work areas. The fanless chassis resists splashing water and dust and achieves an Ingress Protection rating of "54."<sup>1</sup>

Choose the best touch display for your cashiers and environment and then customize it with intuitive and familiar projected capacitive touch technology or the flexible navigation features of resistive touchscreen.<sup>3</sup>

Add a sharp customer-facing display. The HP RP7 10.4-inch CFD Display<sup>4</sup> is perfect for order confirmation, additional advertising and promotional opportunities. The HP RP7 VFD Customer Display offers easy-to-read price and product information.

## Impressive everywhere you look

Enhance your store image with the modern, space-saving design and contemporary aesthetics. Sleek, flush-bezel edges (select configurations) and smooth, clean lines attract customer attention and make the system easy to clean. Anti-glare technology simplifies order-taking in variable lighting situations.

## Versatility to meet your needs

Versatile mounting configurations support wall or tabletop mounting so you can position the solution wherever you need it (wall mounting hardware sold separately). Connection points on all four sides of the display let you customize the exact combination of stylish peripherals (MSR, fingerprint reader, barcode scanner, webcam or CFD display) that you need.<sup>5</sup>

## Substance beyond style

The HP RP7, Model 7100 Retail System is retail-hardened for use in environments up to an ambient 35°C. The steel chassis, on-board monitoring and alerts, and environmental and shock testing stand up to the wear and tear of retail environments. An extended product lifecycle helps ensure consistency in your install base.

## HP RP7, Model 7100 Retail System—Specifications

<b>Operating system</b>	<b>Preinstalled</b> Windows 7 Professional (32-bit or 64-bit)* Windows Embedded POSReady 7 (32-bit or 64-bit) Windows Embedded POSReady 2009 FreeDOS	<b>Certified</b> Novell SUSE Linux Enterprise Desktop†
<b>Processor<sup>2</sup></b>	Intel® Celeron® 807UE (1 GHZ, 1 core) with Intel® HD Graphics	
<b>Chipset</b>	Intel® HM65 Chipset	
<b>Memory<sup>7</sup></b>	Standard non-ECC DDR3 PC3-10600 (1600 MHz) and PC3-8500 (1066 MHz) memory; supports up to 8 GB. (NOTE: When memory is labeled DDR 800 MHz, it will clock down to run at 667 MHz system speed and 1600 MHz memory will clock down to 1333MHz)	
<b>Internal storage<sup>8</sup></b>	32 GB, 64 GB, 128 GB, or 256 GB 2.5" Solid State Drive	
<b>Audio<sup>9</sup></b>	Rear-line input (supports microphone or line input), lineout; line-out may be used if CFD installed; High Definition Audio with Realtek ALC221 codec (all ports are stereo); SRS Premium Sound audio management technology; Multi-streaming capable; Dual Internal Speakers (standard)	
<b>Communications</b>	Broadcom BCM57788A1KMLG Optional Wireless LAN: HP WLAN 802.11 a/b/g/n 2x2 DB MCard BT HP WLAN 802.11 b/g/n 1x1 MCard	
<b>Ports and connectors</b>	6 USB 2.0 2 USB+PWR 12V (1 available if HP RP7 VFD Customer Display is installed) 1 USB+PWR 24V (Printer) 1 USB in lockable compartment (Security screw provided and housed in I/O cover. Requires the HP security screwdriver) 1 RJ-12 Cash Drawer (dual drawers via optional Y cable) 2 RS-232 Powered (+5V/+12V, F-10 Setup Configurable) 1 Parallel 1 PS/2 (supports keyboard or mouse, both through a splitter)	1 DVI-I for Secondary Display (not available if HP RP7 10.4-inch CFD is installed) 1 RJ-45 10/100/1000 LAN 1 Audio line-in 1 Audio line-out (not available if HP RP7 10.4-inch CFD is installed and audio is connected) 1 DC-in (for power supply) 1 DC-out (for HP RP7 10.4-inch CFD only) 4 connectors for select HP integrated peripherals
<b>Power supply</b>	180W EPS 87% Efficiency power supply – Active PFC	
<b>Dimensions (W x D x H)</b>	<b>With HP Adjustable Stand and 15-inch diagonal display:</b> 14.41 x 16.7 x 13.22 in (36.6 x 42.4 x 33.58 cm)	
NOTE: Does not include MSR, Biometric Reader, Webcam, VFD, or CFD	<b>With HP Adjustable Stand and 17-inch diagonal display:</b> 15.19 x 16.95 x 13.67 in (38.6 x 43.07 x 34.72 cm)	
	<b>With HP Value Stand and 15-inch diagonal display:</b> 14.41 x 7.59 x 14.81 in (36.6 cm x 19.28 x 37.61)	
	<b>Without stand and with 15-inch diagonal display:</b> 14.41 x 3.52 x 14.41 in (36.6 x 8.94 x 31.3 cm)	
	<b>Without stand and with 17-inch diagonal display:</b> 15.18 x 3.58 x 13.34 in (38.56 x 9.1 x 33.89 cm)	
<b>Warranty<sup>6</sup></b>	Three-year limited warranty delivers on-site, next business-day service for parts and labor. You can also select from a range of HP CarePack services to extend your protection beyond the standard warranties. <sup>6</sup>	

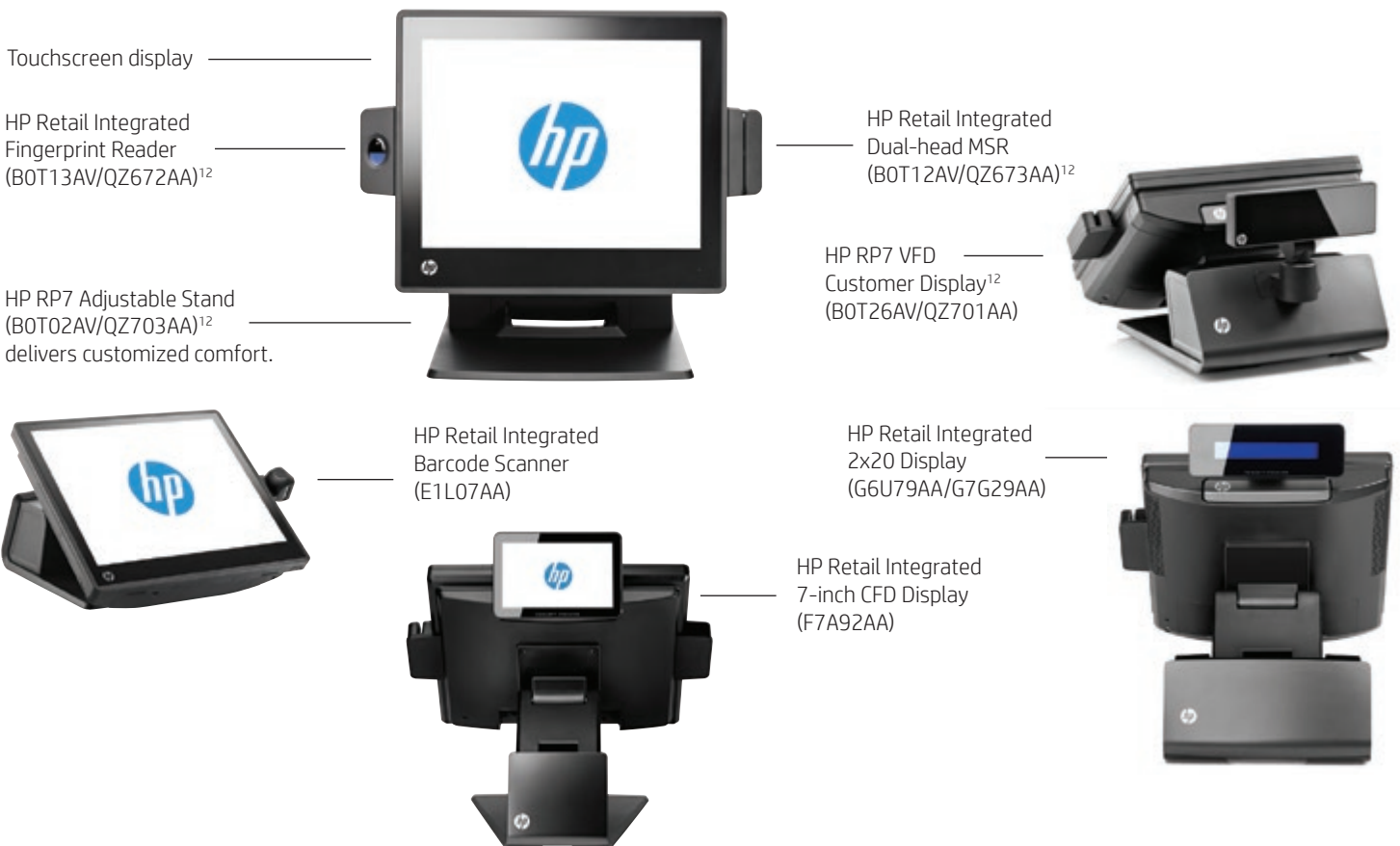
## HP RP7, Model 7100 Retail System—Display options (one per configuration)

Display	HP RP7 15-inch Resistive AFD Display (B0T24AV)	HP RP7 15-inch Projected Capacitive AFD Display (B0T23AV)	HP RP7 17-inch Projected 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 <sup>10</sup>	1024 x 768	1024 x 768	1280 x 1024
Max color	16.7M	16.7M	16.7M
Contrast ratio <sup>10</sup>	700:1	700:1	800:1
Brightness <sup>10</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	225 cd/m <sup>2</sup>
Pixel pitch	0.297mm x 0.297mm	0.297mm x 0.297mm	0.264mm x 0.264mm
Viewing angle	160° horizontally and 140° vertically	160° horizontally and 140° vertically	170° horizontally and 160° vertically
Response rate <sup>10</sup>	25 ms on/off	25 ms on/off	20 ms on/off

## HP RP7, Model 7100 Retail System—Options<sup>12</sup>

<b>HP Retail Integrated Fingerprint Reader</b> (B0T13AV/QZ672AA)	Eliminates password sign-in hassles and buddy-sign-in and enables additional security for employee authentication and manager approvals/transaction overrides. Requires fingerprint reader-enabled software/application, sold separately.
<b>HP Retail Integrated Single-Head MSR</b> (J1A33AA/J1A34AA)	Maximize available space with the compact HP Retail Integrated Single-Head MSR, which plugs into your retail solution to accept credit cards (select regions), gift cards, and employee ID cards or loyalty cards. <sup>11</sup>
<b>HP Retail Integrated Dual-Head MSR</b> (B0T12AV/QZ673AA)	Enables MSR credit card transactions or loyalty card integration without adding clutter to the retail work space.
<b>HP Retail Integrated Webcam<sup>5</sup></b> (B0T03AV/QZ700AA)	Enables interactive technical support for retail serviceability; supports personalized customer interface with online/remote CSRs in a kiosk setup.
<b>HP Retail Integrated Barcode Scanner</b> (E6N62AV/EILO7AA)	Quickly and accurately reads 1D and 2D barcodes, including driver's licenses and codes from mobile device screens.
<b>HP Retail Integrated 7-inch CFD Display</b> (F7A92AA)	Give customers a clear view of their transactions and share dynamic content at the point-of-sale with this 7-inch diagonal LCD display. Integrates easily into your retail solution adding video content and graphics to improve the customer experience.
<b>HP RP7 10.4-inch CFD Display</b> (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.
<b>HP RP7 VFD Customer Display</b> (B0T26AV/QZ701AA)	2x20 customer-facing display offers easily readable price and product information.
<b>HP Retail Integrated 2x20 Display</b> (G6U79AA/G7G29AA)	Give customers a clear view of pricing and product information at the point-of-sale with the HP Retail Integrated 2x20 Display, an LCD customer-facing display that easily plugs into your retail solution.
<b>HP LCD Pole Display</b> (F7A93AA)	Give customers a clear view of their transactions and share engaging, colorful, dynamic content at the point of sale.
<b>HP RP7 Adjustable Stand</b> (B0T02AV/QZ703AA)	Use the stand for on-the-counter placement of the HP RP7 Retail System. Unique dual hinge base supports adjustable tilt and height.
<b>HP RP7 Value Stand</b> (E3A13AV/E5E14AA)	Use the stand for on-the-counter placement in tight spaces or sit atop HP Retail Cash Drawers. Fixed, single hinge supports tilt adjustability.

## HP RP7 Retail Solution, Model 7100



\* 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 [microsoft.com/windows/windows-7](http://microsoft.com/windows/windows-7) for details.

- 1 IP 54 rating (Ingress Protection rating) certifies that the RP7 Retail System Model 7100 is designed so that dust or splashed water will not interfere with the operation of the system.
- 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 hardware and software configurations. 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. Some functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional third 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.
- 3 Projected capacitive technology is available on 15-inch and 17-inch displays; resistive touchscreen is available on the 15-inch display.
- 4 Monitor comes standard as head only. HP Dual Position L6010 Stand (A1X79AA) is available for separate purchase.
- 5 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, HP Retail Integrated Webcam and HP Retail Integrated Barcode Scanner. "Configure to order (CTO)" product numbers ending in AV should be used when configuring the system at the initial point of purchase. "After-market option (AMO)" product numbers ending in AA should be used when adding peripherals after the initial purchase of a configured solution. Internet access, sold separately, is required for transmission of images and video over a network using the webcam."
- 6 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 [hp.com/go/lookuptool](http://hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [hp.com/hps/carepack](http://hp.com/hps/carepack).
- 7 Above 3 GB, all memory may not be available due to system resource requirements.
- 8 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.
- 9 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.
- 10 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- 11 Internet access required and sold separately.
12. "Configure to order (CTO)" product numbers ending in AV should be used when configuring the system at the initial point of purchase. "After-market options (AMO)" product numbers ending in AA should be used when adding peripherals after the initial purchase of a configured solution.

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