

HP RP5 Retail System Model 5810



The platform for every retail detail

Get the flexibility and expandability to control everything from the store floor to the back office with the HP RP5 Retail System, Model 5810, an all-around high-performer that meets the rigors of retail environment so you can focus on making sales.



Powered for performance.

- Excel in even the most demanding environments with your choice of operating system, 4th generation Intel® Core™ processors,¹ and storage to help you take on every retail challenge.
- Get all the storage space you need with your choice of HDDs up to 2 TB, SSDs up to 256 GB,² and three drive bays³ for expanding as your business grows.

Customize your perfect fit.

- Tailor the system to your specific needs with legacy and evolving ports that support a wide range of retail peripherals,³ and add-ons that offer true flexibility.
- Start with an HP RP5 Retail System and build the best retail solution for your business with inputs that support a wide range of peripherals from cash drawers and barcode scanners to displays.³
- Future-proof your business with a broad selection of ports, including serial, parallel, and up to 14 USB. VGA and DisplayPort ports, with an optional second DisplayPort card,³ support up to three independent operator or customer-facing displays.³

Management and security made easy.

- POS doesn't need to be complicated. Enjoy simple, low-cost management with built-in features that help ensure the security of your customer data and terminals.
- Control more and spend less with Intel® vPro™ AMT⁴ and client management software from HP and LANDesk.⁵

Trust your hardware.

- In the demanding world of retail, you can't afford to slow down. Retail-hardened durability and an oversized cooling system help ensure you don't miss a beat.

Backed by the best.

- Get deployment flexibility with a five-year lifecycle and award-winning HP service and support. A three-year limited warranty comes standard, and additional coverage up to five years is available with optional HP Care Pack Services.⁶

Datasheet

HP RP5 Retail System Model 5810 Specifications Table



Form Factor	Small Form Factor
Available Operating System	Windows 10 Pro 64-bit ¹ Windows 10 IoT Enterprise Pro Retail 64-bit ¹ Windows 8.1 Pro 64-bit ² Windows Embedded 8.1 Pro Industry 64-bit ² Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro) ³ Windows 7 Professional 32 (available through downgrade rights from Windows 8.1 Pro) ³ Windows Embedded POSReady 7 32-bit ² Windows Embedded POSReady 7 64-bit ² FreeDOS 2.0
Available Processors	Intel® Core™ i7-4770S with Intel HD Graphics 4600 (3.1 GHz, 8 MB cache, 4 cores); Intel® Core™ i5-4570S with Intel HD Graphics 4600 (2.9 GHz, 6 MB cache, 4 cores); Intel® Core™ i3-4430 with Intel HD Graphics 4600 (3 GHz, 6 MB cache, 4 cores); Intel® Pentium® G3420 with Intel HD Graphics (3.2 GHz, 3 MB cache, 2 cores); Intel® Celeron™ G1820 with Intel HD Graphics (2.7 GHz, 2 MB cache, 2 cores) ¹⁴
Chipset	Intel® Q87 Express
Maximum Memory	Up to 32 GB ⁴
Memory slots	4 DIMM
Internal Storage	500 GB up to 2 TB SATA (7200 rpm) ⁵ up to 500 GB SATA SED ⁵ 32 GB up to 256 GB SATA SSD ⁵ 128 GB up to 256 GB SATA SE SSD ⁵
Optical Drive	SATA DVD-ROM ⁶
Available Graphics	Intel® HD Graphics; Intel® HD Graphics 4400; Intel® HD Graphics 4600; NVIDIA NVS 315 (1 GB); NVIDIA NVS 510 (2 GB) ^{10,11}
Audio	HD audio with Realtek ALC261 codec (all ports are stereo). Line out and line in rear ports (3.5 mm) and internal speaker
Communications	: Integrated Intel I217LM GbE; Intel I210-T1 PCIe GbE (optional); Intel 7260 802.11 a/b/g/n wireless PCIe (optional); Broadcom NetXtreme GbE PCIe (optional) ^{7,8,9}
Expansion Slots	1 half-height PCIe x16 (x16); 1 half-height PCIe x16 (x4); 2 full-height PCI or PCIe (x1)
Ports and Connectors	5 USB 2.0; 2 USB 3.0; 1 24V powered USB; 2 powered serial (5V/12V); 1 PS/2 keyboard; 1 PS/2 mouse; 1 VGA; 1 DisplayPort 1.2; 1 audio in; 1 audio out; 1 RJ-45; 1 RJ-12 (cash drawer) (Additional optional ports include 1 parallel, 1 eSATA, up to 6 12V USB, additional DisplayPort, and 2 RS-232 via serial card)
Drive Bays (Internal)	Two 3.5"
Drive Bays (External)	One 5.25"
Software	HP ProtectTools Security Suite; HP Vision Diagnostics; HP Software Management Agent; PDF Complete Corporate Edition; Computrace for Desktops agent; Buy Office Intel® vPro™ Technology; Intel Standard Manageability; HP Client Catalog for Microsoft SMS; HP SoftPaq Download Manager; HP Systems Software Manager ¹²
Security Management	TPM 1.2 Embedded Security Chip integrated with Broadcom NIC (TPM module disabled where use is restricted by law); HP ProtectTools Security Software Suite; Serial, parallel, USB enable/disable (via BIOS); HP Credential Manager; Smart Card Manager (sold separately); 12V PUSB Cards (sold separately); Power Configurable Serial Port Card COM 3 & 4 (sold separately); Wall mount (sold separately); HP Desktop Security Lock Kit (lock and cable) (sold separately); Security cable with Kensington lock (sold separately); HP Rear Port/Cable Control Cover (sold separately) ¹³
Power	240 W 90% efficient, active PFC
Dimensions (W x D x H)	33.8 x 37.9 x 10 cm
Weight	6.84 kg Exact weight depends on configuration
Energy Efficiency Compliance	ENERGY STAR® certified and EPEAT® registered configurations available ¹⁵
Warranty	3-year (3-3-3) limited warranty and service offering includes 3 years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP L6015tm 15-inch Retail Touch Monitor



The sleek and stylish flush-bezel HP L6015tm 15-inch Retail Touch Monitor is designed for increased performance, enhanced usability, and outstanding durability in retail and hospitality environments.

Product number: A1X78AA

HP Imaging Barcode Scanner



Used in conjunction with HP Point of Sale Systems, the HP Imaging Barcode Scanner offers an enhanced feature set to improve information collection.

Product number: BW868AA

HP Heavy Duty Cash Drawer



A space-saving, heavy-duty design provides reliable performance even in the most demanding retail environments.

Product number: FK182AA

HP USB POS Keyboard with Magnetic Stripe Reader



Featuring a full QWERTY layout in a compact 14-inch form factor, the HP USB POS Keyboard offers optimum space efficiency in retail environments with limited room. Its robust design also offers spill and dust-resistant keys.

Product number: FK218AA

HP PUSB Thermal Receipt Printer



The HP PUSB Thermal Receipt Printer is designed for retail environments with its durable design and print performance. Its compact size also makes it perfect for space-constrained locations.

Product number: FK224AA

5-year Next Business Day Onsite

Receive 5 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

Product number: UL590E



Learn more at
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Messaging Footnotes

¹ 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.

² For hard drives and SSDs, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB is reserved for system recovery software.

³ Optional features sold separately or as add-on features. See product QuickSpecs for exact compatibility.

⁴ Some functionality of vPro, 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 third party software providers. Microsoft Windows required.

⁵ 8 LANDesk software is sold separately. Managed devices must be connected to the management server. Location based functionality requires active LANDesk maintenance service. Wipe functionality performs a "Windows 8.1 Reset" and requires Windows 8.1 Lock performs a Windows "Lock Computer."

⁶ HP Care Pack Services are sold separately. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See www.hp.com/go/cpc for details.

Technical Specifications Footnotes

¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.

² Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. See <http://www.microsoft.com>.

³ This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 8.1 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

⁴ Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

⁵ For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1) of system disk is reserved for the system recovery software.

⁶ Optical drives are optional or add on features. Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. 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.

⁷ Optional or add-on feature

⁸ Gigabit ethernet speeds may vary.

⁹ 802.11 requires wireless access point and internet service. Availability of public wireless access points limited.

¹⁰ HD content required to view HD images.

¹¹ Integrated Intel HD graphics uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

¹² Intel® vPro™ Technology available on models with Intel® Core™ i7 and Intel® Core™ i5 processors.

¹³ HP ProtectTools requires Windows.

¹⁴ 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 system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

¹⁵ EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

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