



## Do more in your store and beyond

Efficiently manage your retail business from the store floor to the back office with the HP Engage Flex Pro, our stable, secure, and highest-performing retail platform that delivers maximum flexibility for a range of deployments.



### Build your best solution

Configure the perfect fit for your users and environment, whether it's point of sale, video surveillance, processing/controlling, digital signage or OEM with flexible connectivity, graphics, and networking options and a suite of retail peripherals.[2]

### Poised to perform and expand with your business

Tackle every retail challenge with a powerful 8th Gen Intel® processor[3]. Adjust capacity as your needs change with endless storage options such as M.2 SSD or SATA HDD—up to five total drives per system.[2]

### Secure, manageable, and reliable out of the box

Reduce the cost and complexity of managing your platforms and secure your critical assets with innovative, integrated, and proactive security and manageability features for your system and its data.

## Featuring

### Familiar, trusted operating system

Stick with an OS you know with your choice of Windows 11 Pro, Windows IoT or FreeDOS.

### Integrated security and manageability tools

Get hardware-enforced self-healing protection from HP Sure Start Gen4, manage your system across the OS with HP Manageability Integration Kit, maintain critical OS processes with HP Sure Run, and restore your image over a network with HP Sure Recover. [5,6,7,8]

### Designed for your daily demands

Minimize downtime with a design that goes the distance. It passes HP's Total Test Process and has a steel chassis and gold-plated connectors that are tested to withstand temperatures up to 40° C. Extend lifespan with an optional dust filter. [9,2]

### Available as a service with HP DaaS

HP Device as a Service delivers the HP Engage Flex Pro as a complete solution of hardware, insightful analytics, and services for every phase of the device lifecycle—with one, easy, predictable price per device. [10]

### Long live the platform

Deploy quickly with HP Configuration Services. Plan ahead with a five-year lifecycle that lets you roll out on your schedule. Get the reassurance of a three-year worldwide limited warranty, and extend protection with optional HP Care services. [2,11]

## Specifications

<b>Form factor</b>	Small form factor
<b>Operating system</b>	Windows 11 Pro
<b>Processor family</b>	8th Generation Intel® Core™ i5 processor
<b>Processor</b>	Intel® Core™ i5-8500 (3.0 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB L3 cache, 6 cores) <sup>[6,7]</sup>
<b>Processor technology</b>	Intel® vPro™ Technology
<b>Chipset</b>	Intel® Q370
<b>Memory</b>	16 GB DDR4-2666 MHz RAM (2 x 8 GB)
<b>Memory Slots</b>	4 DIMM
<b>Internal Storage</b>	512 GB PCIe® NVMe™ TLC M.2 SSD
<b>Hard drive (2nd)</b>	500 GB 7200 rpm SATA HDD
<b>Internal drive bays</b>	Two 3.5"; Two M.2
<b>External drive bays</b>	One 5.25"
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics 630
<b>Minimum dimensions (W x D x H)</b>	33.7 x 38 x 10 cm
<b>Minimum dimensions (W x D x H)</b>	13.27 x 14.96 x 3.94 in
<b>Weight</b>	6.44 kg (Exact weight depends on configuration.)
<b>Weight</b>	14.2 lb (Exact weight depends on configuration.)
<b>Keyboard</b>	HP 125 USB Black Wired Keyboard
<b>Pointing device</b>	HP 125 USB black wired mouse
<b>Ports</b>	1 headset connector; 1 RJ-45; 2 USB 2.0; 2 configurable video ports; 1 DisplayPort™ 2.0; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 PS/2 combo port (Additional optional ports include up to 6 RS-232 (5/12V), up to 6 12V USB, 1 24V USB, 1 RJ-12 cash drawer.)
<b>Expansion slots</b>	1 half-height PCIe x16 (x4); 2 full-height PCIe (x1); 1 half-height PCIe x16 (x16) <sup>[18]</sup>
<b>Ports</b>	2 SuperSpeed USB Type-A 5Gbps signaling rate
<b>Power</b>	250 W internal power adapter, up to 90% efficiency, active PFC <sup>[23]</sup>
<b>Management features</b>	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); Update BIOS via Cloud or Network (BIOS feature); HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2
<b>Sustainable impact specifications</b>	Low halogen
<b>Security management</b>	Power-on password (via BIOS); Setup password (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); DriveLock; HP BIOSphere; HP Password Manager; HP Power On Authentication; Intel® Identity Protection Technology (Intel® IPT); RAID configurations; Removable media write/boot control; SATA port disablement (via BIOS); Support for chassis padlocks and cable lock devices; HP Sure Start Gen 4; Solenoid lock and hood sensor; HP Sure Run; Parallel enable/disable (via BIOS); Front USB enable/disable (via BIOS); HP BIOSphere Gen4; HP Sure Recover; HP Sure Sense; Multi-factor Authentication; HP Sure Click; HP Secure Erase; HP Client Security Manager; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP Sure Sense (Standard); HP Sure Recover (via network); HP Sure Admin; Device Guard Enablement; Self Encrypting Drives <sup>[15,16,17,18,19,20,21,22,26,27,28]</sup>
<b>Software included</b>	Buy Office; HP ePrint Driver; HP Recovery Manager; HP Support Assistant; Absolute Persistence module; HP Hotkey Support; HP Wireless Wakeup; HP ePrint Driver + JetAdvantage
<b>UPC number</b>	(A2K) 196548870851; (AB0) 196548870899; (AB1) 196548870868; (AB2) 196548885060; (AB4) 196548870790; (AB5) 196548870806; (AB7) 196548870639; (AB8) 196548870745; (AB9) 196548870691; (ABA) 196548703227; (ABB) 196548870608; (ABC) 196548870523; (ABD) 196548870622; (ABE) 196548870721; (ABF) 196548870615; (ABG) 196548870820; (ABH) 196548870684; (ABJ) 4573595789903; (ABM) 196548870547; (ABN) 196548870677; (ABT) 196548870653; (ABU) 196548870769; (ABV) 196548870554; (ABY) 196548870592; (ABZ) 196548870660; (AC8) 196548870530; (ACF) 4573595789910; (ACJ) 196548870813; (ACQ) 196548870707; (AK8) 196548870776; (AKC) 196548870646; (AKD) 196548870714; (AKL) 196548870844; (AKS) 196548870578; (AR6) 196548870837; (BCM) 196548870585; (UUF) 196548870783; (UUG) 196548870561; (UUZ) 196548870738

## Top Recommended Displays, Accessories and Services

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### POS Bar Code and Magnetic Stripe Readers

HP Engage Imaging Barcode Scanner II	5YQ08AA
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### POS Printer

Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA
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### POS Display Accessories

HP L7014 14-inch Retail Monitor	T6N31A8
HP L7014 14-inch Retail Monitor	T6N31AA

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### POS Keyboard

HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
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### POS Cash Drawer

HP Standard Duty Cash Drawer	QT457AA
HP Heavy Duty Cash Drawer	FK182AA

## Messaging Footnotes

[2] Sold separately or as configurable add-on features.

[3] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[5] HP Sure Start Gen4 is available on the HP Engage Flex Pro equipped with 8th generation Intel® processors.

[6] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

[7] HP Sure Run is available on the HP Engage Flex Pro equipped with 8th generation Intel® processors.

[8] HP Sure Recover is available on the HP Engage Flex Pro with 8th generation Intel® processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives or Intel® Optane™. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

[9] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[10] Please contact your HP representative or authorized HP reseller for details. Device support may vary by country. Features vary among Standard, Enhanced, and Premium HP Device as a Service plans. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

## Technical Specifications Footnotes

[6] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[15] HP BIOSphere Gen4 Requires Intel® 8th Gen processors. Features may vary depending on the platform and configurations.

[16] HP Client Security Suite Gen 4 Requires Windows and Intel® 8th generation processors.

[17] HP Password Manager Requires Internet Explorer or Chrome or FireFox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.

[18] HP Sure Start Gen4 is available on the HP Engage Flex Pro equipped with 8th generation Intel® processors.

[19] Intel® Identity Protection Technology (Intel® IPT) Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. Intel® Identity Protection Technology (Intel® IPT), used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. Intel® Identity Protection Technology (Intel® IPT) is initialized through an HP Client Security module.

[20] Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

[21] RAID configuration is optional and does require a second hard drive.

[22] HP Sure Run is available on HP Engage Flex Pro products equipped with 8th generation Intel® or AMD processors.

[23] The TWR can support a single graphics card up to 75W. When configured with dual graphics cards support is limited to 35W for each.

[26] HP Sure Sense currently available as an HP Softpack. HP Sure Sense will also be included in the image starting February 17, 2020.

[27] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.

[28] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro & Win 10 IoT Enterprise 2019 LTSC; but not on Win 10 IoT Enterprise 2016 LTSB.

**Learn more at**  
[hp.com](http://hp.com)

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