HP Engage One All-in-One System

Retail redefined by design.

Transform your retail space with a versatile point of sale system that elevates the customer experience and supports your critical business operations. With security, durability, and flexibility built into its gorgeous design, the HP Engage One system marks a new era in retail.

Sleek. Modern. Adaptable

Build the ideal checkout, interactive signage or self-service solution for your retail or hospitality environment with the streamlined, versatile HP Engage One system and its accessory ecosystem[1], all available in a choice of colors.

Secure data. Protect customers

Today's business calls for next-level security. The HP Engage One answers with a self-healing PC BIOS and firmware that shields the BIOS against attacks to help keep your data, devices, and customers safe and secure.

Durable. Powerful. Built for the day ahead

Power through your peaks with 7th generation Intel® processors and a durable system that has a 5-year lifecycle and up to a 3-year standard limited warranty.[2] Get up to 5 years peace of mind with optional HP Care Pack.[3]

*Product image may differ from actual product

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Featuring

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Optimize your space in style
Set a new bar for sophistication with components and accessories that complement the HP Engage One aesthetic, including stands, magnetic stripe reader, barcode scanner, customer-facing displays, and an in-column or standalone receipt printer.[1]

Alluring and easy to use
Engage customers and enable associates with a modern, polished 14" diagonal touchscreen display that's intuitive and responsive for fast interaction and has an anti-glare coating to minimize light interference.

Retail-ready durability
Entrust a device that's not only beautiful but retail-hardened. It's designed to pass MIL-STD 801G with a sturdy, anodized aluminum chassis that resists spills by channeling liquids away from the screen.[5]

Secure inside and out
Get extra protection with automatic updates and security checks from HP BIOSphere Gen3. Control application and system access with Device Guard, Credential Guard, and an optional fingerprint reader.[1,6,7]

Powerhouse performer
The HP Engage One is ready for duty with 7th generation Intel® processors, efficient M.2 storage, fast DDR4 memory, and optional wireless LAN with Bluetooth®. An integrated SD card reader supports easy backup, deployment, and servicing.[1,8]

Available as a service with HP DaaS
HP Device as a Service delivers the HP Engage One as a complete solution of hardware, insightful analytics, and services for every phase of the device lifecycle—with one, easy, predictable price per device.[9]

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Technical specifications

Available Operating Systems	Windows 10 IoT Enterprise 2019 LTSC 64[1] Windows 10 IoT Enterprise 2016 LTSB 64 FreeDOS 2.0 SUSE Linux® Enterprise Desktop 12 (certification only)
Processor family[3]	7th Generation Intel® Core™ i5 processor 7th Generation Intel® Core™ i3 processor Intel® Celeron® processor
Available Processors[2,3,7]	Intel® Celeron® 3965U with Intel® HD Graphics 610 (2.2 GHz, 2 MB cache, 2 cores) Intel® Core™ i3-7100U with Intel® HD Graphics 620 (2.4 GHz, 3 MB cache, 2 cores) Intel® Core™ i5-7300U with Intel® HD Graphics 620 (2.6 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology 2.0, 3 MB cache, 2 cores)
Chipset	Multi-chip package
Product colour	Ebony black or ceramic white
Form factor	All-in-one
Maximum memory	32 GB DDR4-2400 SDRAM; [4] Transfer rates up to 2400 MT/s.
Memory slots	2 SODIMM
Internal storage	128 GB up to 1 TB PCIe® NVMe™ SSD[5]
Display[15]	14" diagonal FHD anti-glare touch screen (1920 x 1080) 35.56 cm (14") diagonal FHD anti-glare touch screen (1920 x 1080)
Available Graphics	Integrated: Intel® HD Graphics 610; Intel® HD Graphics 620
Audio	Integrated HD audio with Realtek ALC3228 codec with standards internal speakers and stereo headphone jack
Expansion slots	1 M.2 2230; SD card reader [6]
Ports and connectors	Back: 1 cash drawer connector; 1 power connector; 1 RJ-45; 1 USB Type-C™ (charging); 2 serial; 4 USB 3.0; 1 Powered 24 Volt USB; 2 Powered 12 Volt USB[13] ; Side: 1 headset connector[14]
Communications	LAN: Broadcom BCM943228Z 802.11n wireless M.2 with Bluetooth®; Realtek RTL8153[14] ; WLAN: Realtek 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 wireless card; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 wireless card, vPro®; Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 wireless card; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 wireless card, non-vPro®
Drive Bays	One M.2
Environmental	Operating temperature: 10 to 40°C; Operating humidity: 20 to 85% RH
Software	HP business PCs are shipped with a variety of software titles including: HP BIOSphere with Sure Start Generation 3.0, HP Support Assistant, HP Device Guard, HP Credential Guard. Please refer to this product's quick spec document for a full list of preinstalled software.[9]
Security management	Credential guard and password protection; Device guard; HP ElitePOS Keyed Cable Lock; Power-on password (via BIOS); Setup password (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); VESA mounting; HP Sure Click; HP Secure Erase; HP Client Security Manager; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP MIK (SCCM Integration); HP Image Assistant; HP vPRO Support

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Power	200 W 89% efficient, wide-ranging, active PFC; 120 W external power supply, up to 88% efficiency, active PFC; 180 W external power supply, up to 89% efficiency, active PFC; 65 W external power supply, up to 89% efficiency, active PFC[21]
Dimensions	13.23 x 8.51 x 0.69 in (head unit); 3.77 x 3.77 x 10.2 in (stand with column printer); 11.23 x 6.37 x 1.14 in (connectivity base); 33.62 X 21.64 X 1.76 cm (head unit); 9.6 x 9.6 x 26 cm (stand with column printer); 28.4 x 16.2 x 2.92 cm (connectivity base)
Weight	2.92 lb (rotate stand); 2.39 lb (fixed stand); 3.03 lb (head unit); 1.23 lb (connectivity base); 4.26 lb (printer); 1.33 kg (rotate stand); 1.09 kg (fixed stand); 1.38 kg (head unit); 0.56 kg (connectivity base); 1.94 kg (printer)
Ecolabels	EPEAT Silver with Climate+[10]
Certification and compliance	IEC 60601-1-2
Sustainable impact specifications	Low halogen[11]
Magnetic stripe reader	HP Retail Integrated Dual-Head MSR; Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable[8]

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Accessories and services (not included)

HP Engage One 10.1-inch Display		Share dynamic videos and content with customers on a display that gets attention in any room with the HP Engage One 10.1 in Non-Touch Display for the HP Engage One. It has durable, cleanable[1], edge-to-edge glass, an adjustable stand for optimal counter placement, and simple USB-C™ connectivity. **Product number: 1XD80AA** [1] See cleaning instructions in user guide.
HP Engage One 10.1-inch Touch Display		Share dynamic content with customers and enable them to input their data for a personalized experience with the HP Engage One 10.1 in Touch Display for the HP Engage One. It has a durable, cleanable[1], edge-to-edge touchscreen, adjustable stand for optimal placement, and simple USB-C™ connectivity. **Product number: 1XD81AA** [1]See cleaning instructions in user guide.
HP Engage 10 HD No Stand + VESA Mount Monitor		**Product number: 3F1W8AA**
HP Engage 10t HD No Stand + VESA Mount Monitor		**Product number: 3F1W9AA**
HP Engage One W 10.1-inch Display		Share dynamic videos and content with customers on a display that gets attention in any room with the HP Engage One 10.1 in Non-Touch Display for the HP Engage One. It has durable, cleanable[1], edge-to-edge glass, an adjustable stand for optimal counter placement, and simple USB-C™ connectivity. **Product number: 3FH66AA** [1] See cleaning instructions in user guide.
HP Engage One W 10.1-inch Touch Display		Share dynamic content with customers and enable them to input their data for a personalized experience with the HP Engage One 10.1 in Touch Display for the HP Engage One. It has a durable, cleanable[1], edge-to-edge touchscreen, adjustable stand for optimal placement, and simple USB-C™ connectivity. **Product number: 3FH67AA** [1]See cleaning instructions in user guide.

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Footnotes

Messaging Footnotes

[1] Optional features sold separately or as add-on features.
[2] 1- or 3-year limited warranty, depending on country.
[3] HP Care Pack Services are optional. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit http://www.hp.com/go/cpc . 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.
[4] 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.windows.com
[5] MIL-STD testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[6] HP BIOSphere Gen3 requires Intel® or AMD® 7th generation processors.
[7] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise 2016 LTSB delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft Device Guard and Credential Guard are not available with Windows 10 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration & Deployment Services.
[8] Wireless access point and Internet access required.
[9] 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.

Specification 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.windows.com/
[2] Multicore 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.
[3] Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.hp.com .
[4] Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
[5] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
[6] Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
[7] Intel® HD Graphics 610: integrated on Celeron™ G3965U; Intel® HD Graphics 620: integrated on 7th gen Core™ i7/i5/i3 processors.
[8] Optional MSR is integrated directly into display head unit.
[9] HP BIOSphere with Sure Start available only on business PCs with HP BIOS. HP BIOSphere Gen 3 requires Intel® 7th generation processors.
[10] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[11] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen. Standard configurations meet the low halogen specifications however, some custom feature components may not meet the same Low Halogen standard. A standard configuration includes display head, rotate / tilt or fixed position stand, stability plate and I/O Connectivity Base.
[12] Device Guard is only available with Windows 10 IoT 64 Enterprise LTSB for Retail. Device Guard is not available with Windows 10 Pro.
[13] Optional HP Engage Go Advanced I/O Connectivity Base specs shown. Optional HP Engage Go Basic I/O Hub and HP USB-C Hub also available. Refer to system quick specs for full I/O specification http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05573243s .
[14] LAN - in Retail I/O Connectivity Base.
[15] For further details please refer to Quick Specs document.
[16] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.
[17] vPRO support requires either an Intel Core i5 or Core i7 processor
[18] vPRO support also requires a vPRO WLAN Card for these products
[19] vPRO enablement is a separate option on some products.
[21] Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. HP Engage One All-in-One System is IP43 rated.

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