



HP Engage One Essential All-in-One System

Lasting durability meets streamlined design

Deliver exceptional experiences to customers and value to your business with the sleek, functional HP Engage One Essential. This elegant system offers rugged durability with the performance you need, and a range of deployment and accessory options so you can tailor it for your specific operations.



*Product image may differ from actual product

Resiliently crafted, defined by design

- Conduct business confidently with a fanless, fully sealed design to protect from dust and liquid intrusion (IP54 certified¹) and a 3-year onsite warranty². And with its sleek look, this device complements any environment.

Design your ideal system

- Configure a system for your unique business with integrated accessory options³ that help keep counters clutter free—magnetic stripe reader, barcode scanner, fingerprint reader and more—and a choice of stands, VESA[®] mounts and customer facing displays.⁴

Essential everyday performance

- Get all the performance you need, without unnecessary frills. Blaze through shifts with an Intel[®] Celeron[®] or Pentium[®] processor⁵, a range of ports to connect everyday devices, and fast, reliable network connectivity through wired ethernet or Wi-Fi 5⁶.
- Tailor your installation to fit your needs with various mounting options including VESA[®] wall and pole mounts^{4,7}, or even self-service set-ups⁷.
- The perfect combination of performance, power consumption, and value, Intel[®] Celeron[®] or Pentium[®] processors⁵ help your device run smoothly.
- Thoughtful cable management keeps check-out areas organized and clean by neatly channeling cords through the side or back of the base.
- Easily service memory and storage with quick access to interior through the back panel.
- Built with sustainability in mind with ocean-bound and recycled plastics, ENERGY STAR[®] 8.0 certification, and recycle-friendly metals.⁸
- Rest easy that your IT investment is supported by a three-year onsite standard limited warranty.²
- Streamline your customer transactions by adding the optional integrated card reader that accepts all card-based payments including chip insert, swipe, tap and contactless pay.⁹

HP Engage One Essential All-in-One System Specifications Table



*Product image may differ from actual product

Available Operating Systems	Windows 10 IoT Enterprise 2019 LTSC 64 ¹ FreeDOS 3.0 SUSE Linux® Enterprise Desktop 15 (certification only) SUSE Linux® Enterprise Point of Service Client (SLEPOS) Ubuntu 20.04 LTS
Processor family	Intel® Pentium® processor; Intel® Celeron® processor
Available Processors ^{2,15}	Intel® Celeron® N6211 with Intel® UHD Graphics (1.2 GHz base frequency, up to 3.0 GHz with Intel® Turbo Boost Technology, 1.5 MB L2 cache, 2 cores 2 threads); Intel® Pentium® N6415 with Intel® UHD Graphics (1.2 GHz base frequency, up to 3.0 GHz with Intel® Turbo Boost Technology, 1.5 MB L2 cache, 4 cores, 4 threads)
Product colour	Ebony black
Maximum memory	8 GB DDR4-3200 SDRAM; 4 GB DDR4-3200 SDRAM ¹¹
Memory slots	1 SODIMM
Internal storage	128 GB PCIe® NVMe™ SSD ³ up to 256 GB PCIe® NVMe™ SSD ³
Display	14" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC ¹² 35.6 cm (14") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC ¹²
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers, digital mic and 1W mono speaker
Expansion slots	1 M.2 2280
Ports and Connectors	Display head: 1 RJ-45; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A ; Optional Ports: Choose one of the following stands or VESA hubs: Essential Stand: [1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery, Alt-mode DisplayPort™); 1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery); 2 USB Type-A 480Mbps signaling rate; 1 RJ-45]. Advanced Stand: [1 cash drawer connector; 4 USB Type-A 480Mbps signaling rate; 1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery, Alt Mode DisplayPort™); 2 power serial; 1 DC connector; 1 RJ-45; 1 Powered 24 Volt USB]. Advanced Swivel Stand: [1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery, Alt-mode DisplayPort™); 4 USB Type-A 480Mbps signaling rate; 2 power serial; 1 cash drawer connector; 1 Powered 24 Volt USB; 1 DC connector; 1 RJ-45]. Essential VESA Hub: [1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery, Alt-mode DisplayPort™); 1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery); 2 USB Type-A 480Mbps signaling rate; 1 RJ-45]. Pro VESA Hub: [1 SuperSpeed USB Type-C® 5Gbps signaling rate (27W USB Power Delivery, Alt Mode DisplayPort™); 3 SuperSpeed USB Type-A 5Gbps signaling rate; 1 Powered 12 Volt USB; 1 Powered 24 Volt USB; 1 DC connector; 1 RJ-45]. ⁴
Communications	LAN: Intel® Gigabit Ethernet Controller ; WLAN: Realtek RTL8821CE 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® M.2 combo ⁵ ; NFC Mirage WNC XRAV-1 ¹⁰
Environmental	Operating temperature: 0 to 35°C; Operating humidity: 10 to 90% RH;
Security management	Power-on password (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Security lock slot; Device security; Secure Boot; Administrator password (via BIOS); AMI BIOS; ¹⁴
Fingerprint reader	Fingerprint reader (select models)
Power	65 W USB Type-C® adapter (essential stand and essential VESA hub); 150 W external Smart AC power adapter, up to 89% efficiency, active PFC (advanced stand and advanced with swivel stand and pro VESA hub)
Dimensions	13.94 x 8.66 x 10.5 in (head unit and essential stand); 13.94 x 8.66 x 11.17 in (head unit and advanced stand); 13.94 x 8.66 x 11.17 in (head unit and advanced swivel stand); 13.94 x 2.19 x 8.47 in (head unit and essential VESA hub); 13.94 x 1.9 x 8.47 in (head unit and pro VESA hub) 35.40 x 22.00 x 26.67 cm (head unit and essential stand); 35.40 x 22.00 x 28.38 cm (head unit and advanced stand); 35.40 x 22.00 x 28.38 cm (head unit and advanced swivel stand); 35.40 x 4.84 x 21.50 cm (head unit and pro VESA hub); 35.40 x 5.55 x 21.50 cm (head unit and essential VESA hub)
Weight	9.59 lb (head unit and essential stand); 10.58 lb (head unit and advanced stand); 11.91 lb (head unit and advanced swivel stand); 6.17 lb (head unit and essential VESA hub); 6.61 lb (head unit and pro VESA hub) 4.35 kg (head unit and essential stand); 4.80 kg (head unit and advanced stand); 5.40 kg (head unit and advanced swivel stand); 3.00 kg (head unit and pro VESA hub); 2.8 kg (head unit and essential VESA hub)
Ecolabels	CECP; EPEAT® registered configurations available ⁷
Energy star certified (series fixed)	ENERGY STAR® certified
Certification and compliance	CEL
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure; 30% post-consumer recycled plastic; Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable ^{8,9,13}
Barcode reader	Optional HP Engage One Pro Integrated Barcode Scanner
Magnetic stripe reader	Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable ⁶

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Accessories and services (not included)

HP Engage One Prime Receipt Printer

Redefine your perception of retail printing with the HP Engage One Prime Receipt Printer, an eye-catching, compact, cylindrical printer designed to dazzle alongside your sleek, affordable HP Engage One Prime at the point of sale.
Product number: 4VW55AA

HP Engage One Prime Barcode Scanner

Deliver an efficient customer experience with the breathtaking HP Engage One Prime Barcode Scanner, an ultra-small, ultra-slim barcode scanner designed to complement the HP Engage One Prime. It reads mobile wallets, digital coupons, and printed barcodes and can be used by hand or in presentation mode.
Product number: 4VW58AA

HP Engage One Prime Cash Drawer

Expand your HP Engage One Prime with the HP Engage One Prime Cash Drawer, a 13" x 13" compact drawer with a single media slot that fits neatly under the stand or the counter. It has two cash drawer till configurations, variable by region, either 4-bill and 4-coin or 5-bill and 8-coin.
Product number: 4VW59AA

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Messaging Footnotes

- ¹ HP Engage One Essential All-in-One System is IP54 Certified. IP54: Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. If unit has optional payment device IP rating is void.
- ² Onsite and other terms and conditions may vary by country. Service levels and response times may vary depending on your geographic location. Restrictions and limitations apply.
- ³ Embedded peripherals excluding the barcode scanner and 6.6 inch customer facing display must be configured at purchase.
- ⁴ Stands and VESA® Hubs must be configured at purchase.
- ⁵ 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.
- ⁶ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.
- ⁷ Accessories sold separately.
- ⁸ 5% ocean bound plastics in speaker enclosure. 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fiber. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.
- ⁹ The Moby/5500M for HP Engage One Essential is available for United States only and excludes integrated battery. No payment, integrated payment and payment ready available. Non-ingenico One Gateways require Ingenico firmware updates.

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.windows.com>.
- 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. 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.
- ³ 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.
- ⁴ Stands and VESA® Hubs must be configured at purchase.
- ⁵ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.
- ⁶ Embedded peripherals excluding the barcode scanner and 6.6 inch customer facing display must be configured at purchase.
- ⁷ EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options.
- ⁸ 5% ocean bound plastics in speaker enclosure.
- ⁹ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ¹⁰ NFC driver required and available at the HP Support website at launch.
- ¹¹ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility.
- ¹² Actual brightness will be lower with touch screen.
- ¹³ 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, Engage Pro stand, stability plate and I/O Connectivity Base.
- ¹⁴ Security Lock Slot available only for Advanced or Advanced Swivel Stands.
- ¹⁵ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.

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