



HP Engage One 141 All-in-One Touch (2G2G6UT)



Overview

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.

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]

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.

Features

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]

^[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.

^[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.

Specifications

| | |
|--|--|
| Form factor | All-in-one |
| Operating system | FreeDOS 2.0 |
| Processor family | Intel® Celeron® processor |
| Processor | Intel® Celeron® 3965U (2.2 GHz base frequency, 2 MB L3 cache, 2 cores, 2 threads) ^[6] |
| Chipset | Multi-chip package |
| Memory | 4 GB DDR4-2400 MHz RAM (1 x 4 GB) |
| Memory Slots | 2 SODIMM |
| Internal Storage | 128 GB PCIe® NVMe™ TLC M.2 SSD |
| Internal drive bays | One M.2 |
| Graphics (integrated) | Intel® HD Graphics 610 |
| Display | 35.6 cm (14") diagonal, FHD (1920 x 1080), touch, anti-glare |
| Display | 14" diagonal, FHD (1920 x 1080), touch, anti-glare ^[15] |
| Audio | Integrated HD audio with Realtek ALC3228 codec with standards internal speakers and stereo headphone jack |
| Dimensions (W x D x H) | 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) |
| Dimensions (W x D x H) | 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) |
| Weight | 1.33 kg (rotate stand); 1.09 kg (fixed stand); 1.38 kg (head unit); 0.56 kg (connectivity base); 1.94 kg (printer) |
| 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) |
| Ports | 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] |
| Expansion slots | 1 M.2 2230; SD card reader ^[6] |
| Ports | 1 headset connector |
| Network interface | Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™ |
| Wireless | Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 wireless card, non-vPro® |
| Sustainable impact specifications | Low halogen |

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^[9,12,16,17,18,19]

UPC number

195161417245

Additional specifications

| | |
|--|---|
| Accessories | HP Engage Go Serial/USB Thermal Printer 1RL96AA (Black) 3GS19AA (White); HP Engage Go Top Mount 2x20 CFD 1RL95AA (Black) 3GS18AA (White); HP Engage Go 2D Barcode Scanner 1RL97AA (Black) 3GS20AA (White); HP Engage Go 10.1in Touch Display 1XD81AA (Black) 3FH67AA (White); HP Engage Go 10.1in Non-Touch Display 1XD80AA (Black) 3FH66AA (White); HP Engage Go Fingerprint Reader 1RL98AA (Black) 3GS21AA (White). Configurable only: HP Engage Go MSR; HP Engage Go Column Printer; HP Engage Go Rotate/Tilt Stand; HP Engage Go Fixed Position Stand; HP USB-C mini dock |
| Bluetooth version | Bluetooth® 4.2 |
| Certifications and compliances | IEC 60601-1-2 |
| Color | Ebony black or ceramic white |
| Datasheet photo 1 | Publication photos/Nantucket_1.jpg |
| Datasheet photo 3 | Publication photos/Nantucket_3.jpg |
| Datasheet photo 4 | Publication photos/Winterfell_system.jpg |
| Datasheet photo 5 | Publication photos/Nantucket_5.jpg |
| Datasheet publication number | 4AA7-0641ENW |
| Display resolution (pixels) | 1920 x 1080 |
| Display resolution standard | FHD |
| Display size (diagonal) uom | " |
| Display size (diagonal, imperial) | 14 |
| Display size (diagonal, metric) | 35.6 |
| Display size (diagonal, metric) uom | cm |
| Display surface treatment | anti-glare |
| Display touchscreen type | touch screen |
| ECC memory | non-ECC |
| External I/O ports footnote number | [14] |
| I/O Port location | Side |
| I/O Port location | Back |
| Magnetic stripe reader | HP Retail Integrated Dual-Head MSR; Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable ^[8] |
| Memory layout (slots & size) | 1 x 4 GB |
| Memory module type | SODIMM |
| Memory size | 4 |
| Memory size uom | GB |
| Memory speed | 2400 |

| | |
|---|---------------------------------|
| Memory speed uom | MHz |
| Memory type | DDR4 |
| Number of memory slots | 1 |
| Operating humidity range | 20 to 85% RH |
| Operating temperature range | 10 to 40°C |
| Operating temperature range | 50 to 104°F |
| Processor Brand | Intel® |
| Processor base frequency | 2.2 |
| Processor cache | 2 MB L3 |
| Processor core | 2 |
| Processor family | Celeron® |
| Processor frequency UOM | GHz |
| Processor model | 3965U |
| Processor threads | 2 |
| Product brand name | HP |
| Product long name specifications | HP Engage One All-in-One System |
| Standard memory note | Transfer rates up to 2400 MT/s. |
| Storage capacity | 128 |
| Storage capacity uom 01 | GB |
| Storage form factor 01 | M.2 |
| Storage interface 01 | PCIe® |
| Storage interface protocol 01 | NVMe™ |
| Storage memory technology 01 | TLC |
| Storage type | SSD |
| Storage type 01 | SSD |
| UNSPSC code | 43211505 |
| Wireless Model | Dual Band Wireless-AC 8265 |
| Wireless antenna | 2x2 |
| Wireless standard | 802.11a/b/g/n/ac |
| Wireless supplier | Intel® |
| vPro enabled | non-vPro® |

[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, branding and/or naming is not a measurement of higher performance.

[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.*

[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> .*

[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.*

Accessories

Point of Sales System Options

★ : Recommended

POS Cash Drawer

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|---|-----------|
| HP Heavy Duty Cash Drawer | FK182AA ★ |
| HP Standard Duty Cash Drawer | QT457AA ★ |
| HP Engage One Prime Cash Drawer | 638M5AA |
| HP Standard Duty Cash Drawer | QT457AT |
| HP Standard Duty Till with Lockable Lid | QT458AA |
| HP Standard Duty Till with Lockable Lid | QT458AT |
| HP USB Standard Duty Cash Drawer | E8E45AA |

POS Bar Code and Magnetic Stripe Readers

| | |
|---------------------------------------|-----------|
| HP Engage Imaging Barcode Scanner II | 5YQ08AA ★ |
| HP Engage 2D G2 Barcode Scanner | 6Y2V4AA |
| HP Engage 2D G2 White Barcode Scanner | 6Y2V5AA |
| HP Engage Imaging Barcode Scanner II | 5YQ08AT |
| HP Engage One Prime Barcode Scanner | 638L9AA |
| HP Engage One Prime Barcode Scanner | 638L9AT |

POS Keyboard

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|---|-----------|
| HP POS USB Keyboard with Magnetic Stripe Reader | FK218AA ★ |
| HP POS USB Keyboard with Magnetic Stripe Reader | FK218AT ★ |
| HP POS USB Keyboard | FK221AA |
| HP POS USB Keyboard | FK221AT |

POS Printer

| | |
|---|-----------|
| Epson TM-88VI Serial Ethernet USB Printer only | 2HV25AA ★ |
| Epson H6000V Hybrid POS Printer | 4ZE21AA |
| Epson TM-T88VII PUSB Thermal Printer | 8G0G7AA |
| Epson TM-T88VII Serial Ethernet USB Thermal Printer | 8G0G6AA |
| Epson TM-m30II Japan Printer | 38N27AA |
| Epson TM-m30II Printer | 340U1AA |
| Epson TM-m30II White Japan Printer | 38N28AA |
| Epson TM-m30II White Printer | 340U2AA |

| | |
|---|---------|
| Epson TM88VI PUSB Printer only | 6BC94AA |
| HP Engage PUSB Thermal Printer | 299V0AA |
| HP Engage Serial Ethernet USB Thermal Printer | 299U7AA |
| HP Value Thermal Receipt Printer | 4AK33AA |

POS Terminal Accessories

| | |
|---|---------|
| Datalogic 1500i Presentation Scanner | 9BU50AA |
| Datalogic 1500i Whi Presentation Scanner | 3F568AA |
| Datalogic 3450Vsi Presentation Scanner | 7UZ38AA |
| ENS Genesis Stability Plate | 7ZZ24AA |
| ENS Genesis Stand | 7ZE84AA |
| ENS GluePad Countermount | 8NW79AA |
| HP Engage Basic I/O Base | 5LT86AA |
| HP Engage Heavy Duty Cash Drawer RL | 8QX99AA |
| HP Engage One AiO USB 3.1 CM-CM 1.8M Hub | 8NW78AA |
| HP Engage One Basic I/O Connectivity Base | 1UN11AA |
| HP Engage One Prime Cash Drawer Cable | 5UU45AA |
| HP Engage One Retail Advanced I/O Connectivity Base | 1UN12AA |
| HP Engage One Retail Advanced I/O Connectivity Base | 5LT84AA |
| HP Engage USB-C to HDMI Adapter | 6FV70AA |

POS Monitors and Accessories

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|--|---------|
| HP 300cm DP and USB B to A Cable for L7016t L7014t and L7010t | V4P96AA |
| HP 300cm DP and USB Power Cable for L7014 | V4P95AA |
| HP 300cm DP and USB Power Cable for L7014 | V4P95AT |
| HP 300cm DP and USB Power Y Cable for L7010t L7014t and L7016t | V4P94AA |
| HP 700mm Cable Kit for CFD on RP9 | V7S63AA |
| HP Engage 6 Clean Mount Stand | 10P60AA |
| HP Engage 6 Stability Mount Stand | 10P61AA |
| HP Monitor Stand for L7010t L7014 and L7014t | T6N33AA |
| HP Monitor Stand for L7016t | W0Q45AA |

POS Display Accessories

| | |
|--|---------|
| HP Engage 10 HD No Stand + VESA Mount Monitor | 3F1W8AA |
| HP Engage 10t HD No Stand + VESA Mount Monitor | 3F1W9AA |
| HP Engage One 10.1-inch Display | 1XD80AA |

| | |
|---|---------|
| HP Engage One 10.1-inch Touch Display | 1XD81AA |
| HP Engage One W 10.1-inch Display | 3FH66A8 |
| HP Engage One W 10.1-inch Display | 3FH66AA |
| HP Engage One W 10.1-inch Touch Display | 3FH67A8 |
| HP Engage One W 10.1-inch Touch Display | 3FH67AA |
| HP L7014 14-inch Retail Monitor | T6N31AA |

POS Fingerprint Readers

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|----------------------------------|---------|
| HP Engage One Fingerprint Reader | 1RL98AA |
|----------------------------------|---------|

POS Cases and Covers

| | |
|----------------------------------|---------|
| HP Engage One Top Mount 2x20 CFD | 1RL95AA |
|----------------------------------|---------|

Rack Brackets/Bezels/ Panels/Rails/ Trays/Mounting

Mounting Kits

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|--------------------------------------|---------|
| HP Engage One Undercounter Mount Kit | 5DS15AA |
| HP Engage One VESA Wall Mount | 5DS14AA |

Accessories for PC

Keyboards/Other Input Devices

★ : Recommended

Wired Keyboards

| | |
|-------------------------------------|---------|
| HP Business Slim Smartcard Keyboard | Z9H48AA |
| HP Business Slim Smartcard Keyboard | Z9H48AT |

Port Replicators/Dongles/Docking

Cables/Cable Adapters/Dongles

| | |
|------------------------|---------|
| HP USB-C to DP Adapter | 4SH08AA |
|------------------------|---------|

Port Replicators

| | |
|----------------------------------|---------|
| HP Universal USB-C Multiport Hub | 50H55AA |
| HP Universal USB-C Multiport Hub | 50H55PT |
| HP Universal USB-C Multiport Hub | 50H55UT |
| HP Universal USB-C Multiport Hub | 50H98AA |

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