HP Engage One All-in-One System Model 145 (4WA22EA)

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

Familiar productivity perks.

Enjoy Windows management and security features that support seamless integration with your existing Windows apps and infrastructure.

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]

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[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

Chipset	Multi-chip package
Memory Slots	2 SODIMM
Internal drive bays	One M.2
Display	35.56 cm (14") diagonal FHD anti-glare touch screen (1920 x 1080)
Display	14" diagonal FHD anti-glare touch screen (1920 x 1080)[15]
Minimum 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)
Minimum 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
Power	120 W, 88% efficiency, active PFC (basic base); 180 W, 89% efficiency, active PFC (advanced base); 65 W, 89% efficiency at 20 V, active PFC (display head unit)
Management features	Intel® vPro™ Technology capable (select models)
Environmental	Low halogen
Security management	Power-on password (via BIOS); Setup password (via BIOS); VESA mounting; HP ElitePOS Keyed Cable Lock; HP FingerPrint Sensor (optional); HP BIOSphere with SureStart Gen 3; Device guard; Credential guard and password protection; Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS)[9,12]

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
Color	Ebony black or ceramic white
Datasheet publication number	4AA7-0641ENW
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]
Operating humidity range	20 to 85% RH
Operating temperature range	50 to 104°F
Operating temperature range	10 to 40°C
Product brand name	HP
Product long name specifications	HP Engage One All-in-One System Model 145

[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.

[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.

Point of Sales System Options

POS Display Accessories

HP Engage One W 10.1-inch Touch Display	3FH67AA
HP LCD Pole Display	F7A93AA
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One 10.1-inch Touch Display	1XD81AA
HP POS Pole Display	FK225AA
HP Engage One 10.1-inch Display	1XD80AA
HP Graphical POS Pole Display	QZ704AA

POS Printer

Epson TM-88V Serial/USB Printer	D9Z52AA
HP Dual Serial USB Thermal Receipt Printer	BM476AA
HP Engage One W Serial USB Thermal Printer	3GS19AA
Epson TM-H600IV PUSB Printer	D9Z51AA
HP Engage One Serial/USB Thermal Printer	1RL96AA
HP PUSB Thermal Receipt Printer	FK224AA
HP LAN Thermal Receipt Printer	M2D54AA
Epson TM-88V PUSB Printer	E1Q93AA
HP Value Serial/USB Receipt Printer II	X3B46AA
Epson H2000 PUSB Printer	K3L29AA

POS Terminal Accessories

HP Engage One Retail Advanced I/O Connectivity Base	1UN12AA
HP Engage One Serial + PUSB Power only	1RM05AA
HP Cable Pack for Dual HP Cash Drawer	QT538AA
HP Engage One Printer Serial + Power Adapter	1RM03AA
HP Engage One Printer USB + Power Adapter	1RM02AA
HP Engage One Basic I/O Connectivity Base	1UN11AA

POS Bar Code and Magnetic Stripe Readers

HP Wireless Barcode Scanner	E6P34AA
HP USB Mini Magnetic Stripe Reader with Brackets	FK186AA

HP Imaging Barcode Scanner	BW868AA
HP Presentation Barcode Scanner	QY439AA
HP Engage One W 2D Barcode Scanner	3GS20AA
HP Engage One 2D Barcode Scanner	1RL97AA

POS Cash Drawer

HP Heavy Duty Cash Drawer	FK182AA
HP USB Standard Duty Cash Drawer	E8E45AA
HP Standard Duty Cash Drawer	QT457AA
HP Standard Duty Till with Lockable Lid	QT458AA

POS Monitors and Accessories

| HP 700mm Cable Kit for CFD on RP9 | V7S63AA |

POS Cases and Covers

| HP Engage One Top Mount 2x20 CFD | 1RL95AA |
| HP Engage One W Top Mount 2x20 CFD | 3GS18AA |

POS Fingerprint Readers

| HP Engage One W Fingerprint Reader | 3GS21AA |
| HP Engage One Fingerprint Reader | 1RL98AA |

POS Keyboard

| HP POS USB Keyboard | FK221AA |
| HP USB POS Keyboard with Magnetic Stripe Reader | FK218AA |

Keyboards/Mice/Monitors and Input Devices

Keyboards

| HP Retail USB Standard Keyboard | J4A11AA |

Cables/Cable Kits/Cable Adapters

Port Cables and Cable Adapters

| HP Powered USB Y Cable | BM477AA |

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