ProductSheet

HP Elite Point of Sales 145 All-in-One Touch 3DR97UA (3DR97UA)

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]

Featuring

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]

Specifications

Operating system	Windows 10 IoT Enterprise for Retail
Processor family	7th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-7300U (2.6 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 3 MB L3 cache, 2 cores)[6,7]
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
Graphics (integrated)	Intel® HD Graphics 620
Display	35.6 cm (14") diagonal, FHD (1920 x 1080), touch, anti-glare
Display	14" diagonal, FHD (1920 x 1080), touch, anti-glare[15]
Display size (diagonal)	35.56 cm (14")
Display size (diagonal)	14"
Audio	Integrated HD audio with Realtek ALC3228 codec with standards internal speakers and stereo headphone jack
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
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Management features	Intel® vPro™ Technology capable (select models)
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	(ABA) 193015544024; (ABC) 193015545960

Top Recommended Displays, Accessories and Services

POS Keyboard	
Cherry G86-71401 POS Keyboard w TP	7MC50AA
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
HP Engage Standard Retail Keyboard	7HZ85AA
POS Bar Code and Magnetic Stripe Readers	
HP Engage One 2D Barcode Scanner	1RL97AA
HP Wireless Barcode Scanner	E6P34AA
HP Engage Imaging Barcode Scanner II	5YQ08AA
POS Cash Drawer	
HP Heavy Duty Cash Drawer	FK182AA
HP Standard Duty Cash Drawer	QT457AA
POS Printer	
Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA

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.

[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.

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.

[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.

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