



HP Engage One Pro All-in-One System (7H1W9UT)



Overview

Ultra sleek and fast for exceptional experiences

Introducing the point of sale system meticulously crafted to elevate your customer experience and power essential business operations. It combines a sleek yet durable design with powerhouse computing and offers an abundance of deployment options so you can tailor it to your specific needs.

Every detail crafted with intention.

Purposeful design meets sophisticated craftsmanship in a sleek aluminum frame with hidden cable management to keep your space clutter-free. Experience full visibility under any light with bright, anti-glare touchscreen display[2].

Deploy it your way

Choose a size, mounting, and orientation for a setup that suits your needs. And with plenty of ports for accessories, it's the POS system that can be deployed how you want it.

Fast performance for ultra smooth interactions.

Push productivity to the limit with up to a Intel® processors[3] and optimized thermals, delivering fast, seamless customer interactions while running whisper quiet.

Durability you need. Security you can trust.

This system is designed to pass rigorous military standard testing[6], IP 44 rating to resist dust and liquid intrusion[7], and withstand frequent sanitization[8] meets standards for IEC 60601-1-2 (EMC standard for medical electrical equipment and medical electrical systems). Advanced security features come standard, to help keep your data, devices, and customers safe and protected.

[2] Actual brightness will be lower with touch screen.

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

[6] MIL-STD-810G testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) 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.

[7] HP Total Test Process test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[8] Tested by up to 10,000 wipes with germicidal towelettes over a 3-year period. See user guide for cleaning instructions. Tested with Sani-Cloth® HB Germicidal Disposable Wipe (EPA Reg. No. 61178-4-9480), Sani-Cloth® Plus Germicidal Disposable Cloth (EPA Reg. No 9480-6), Sani-Cloth® AF3 Germicidal Disposable Wipes (EPA Reg. No. 9480-9), Super Sani-Cloth® Germicidal Disposable Wipes (EPA Reg. 9480-4), CaviWipes® (EPA Reg. No 46781-8), Clorox Healthcare® Bleach Germicidal Wipes (EPA Reg. No. 67619-12), Windex® Electronic Wipes and PDI Easy Screen® Cleaning Wipe.

Specifications

Operating system	FreeDOS
Processor family	10th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-10100E (3.2 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores) ^[6,7]
Chipset	Intel® Q470E
Memory	8 GB DDR4-2666 MT/s (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ TLC M.2 SSD
Hard drive (2nd)	256 GB PCIe® NVMe™ TLC M.2 SSD
Internal drive bays	Two M.2
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Display	39.6 cm (15.6") diagonal, HD (1366 x 768), touch, anti-glare
Display	15.6" diagonal, HD (1366 x 768), touch, anti-glare ^[13,15]
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers and stereo headphone jack, 2W
Dimensions (W x D x H)	39.76 x 2.64 x 24.1 cm (head landscape); 39.76 x 2.64 x 24.1 cm (head portrait); 49.48 x 2.94 x 29.26 cm (head landscape); 49.48 x 2.94 x 29.26 cm (head portrait); 60.50 x 2.94 x 33.99 cm (head landscape); 60.50 x 2.94 x 33.99 cm (head portrait); 15.2 x 1.0 x 15.2 cm (performance and pro stand) <i>(Stand only.)</i>
Dimensions (W x D x H)	15.6 x 1 x 9.5 in (head Landscape); 15.6 x 1 x 9.5 in (head portrait); 19.5 x 1.2 x 11.5 in (head Landscape); 19.5 x 1.2 x 11.5 in (head Portrait); 23.8 x 1.2 x 13.4 in (head Landscape); 23.8 x 1.2 x 13.4 in (head Portrait); 0.6 x 0.4 x 0.6 in (performance and pro stand) <i>(Stand only.)</i>
Weight	.06 kg (performance and pro stand); 3.37 kg (15.6" display models); 5.70 kg (19.5" display models); 6.8 kg (23.8" display models)
Weight	0.1 lb (performance and pro stand); 7.4 lb (15.6" display models); 12.6 lb (19.5" display models); 15 lb (23.8" display models)
Ports	1 audio-out; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 RJ-45 USB NIC; 1 140W data port ^[21]
Expansion slots	1 M.2 2230 ^[6]
Ports	1 Security lock slot
Ports	1 SuperSpeed USB Type-A 5Gbps signaling rate
Wireless	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card, non-vPro®

Power	280 W external Smart AC power adapter, up to 89% efficiency, active PFC (advance hub)
Management features	Intel® vPro® with AMT 11.0; TPM 2.0; HP System Software Manager; HP Image Assistant; HP Client Security Manager
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure; 50% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Low Halogen
Security management	HP Sure Sense; HP Sure Click (Standard); HP Sure Admin; HP MIK (SCCM Integration); HP Image Assistant; HP BIOSphere with SureStart Gen6; HP Client Security Manager Gen7; HP Sure Recover Gen3; HP Sure Run Gen3 ^[9,12,20]
Software included	HP Credential Guard; HP Device Guard; HP Support Assistant; HP BIOSphere with Sure Start Generation 6.0 ^[9]
UPC number	197192370124

Additional specifications

Accessories	9YH50AA HP Engage One Pro FPR 2U551AA HP Engage One Pro MSR 9YH49AA HP Engage One Pro BCS 9YH48AA HP Engage One Pro 6.6 Display 1XD80AA HP Engage 10 Display 1XD81AA HP Engage 10t Display 10P56AA HP Engage 10 VESA Display 10P57AA HP Engage 10t VESA Display 3FH66AA HP Engage 10w Display 3FH67AA HP Engage 10tw Display 10P64AA HP Engage 14 Display 10P65AA HP Engage 14t Display 10P66AA HP Engage 14 VESA Display 10P68AA HP Engage 14t VESA Display 10P69AA HP Engage 16t Display 10P70AA HP Engage 16ts Display 10P72AA HP Engage 16t VESA Display 10P73AA HP Engage 16ts VESA Display 10P77AA HP Engage Clean Mount Arm Bracket 10P78AA HP Engage Stability Mount Arm Bracket HP Engage One Serial/USB Thermal Printer 1RL96AA (Black) 3GS19AA (White); HP Engage One 2D Barcode Scanner 1RL97AA (Black) 3GS20AA (White); HP Engage One Fingerprint Reader 1RL98AA (Black) 3GS21AA (White)
Barcode reader	Optional HP Engage One Pro integrated BCS
Bluetooth version	Bluetooth® 5.0
Color	Ebony black or ceramic white
Datasheet photo 1	AHID/9413ee9c71d6bd2a3ecef9cd9c002bd3b9c24676
Datasheet photo 3	AHID/41e492ae57f7140c8da05bbeaf6c8ff1c5291ff8
Datasheet photo 5	AHID/84917d302467d663fe6b0cb45206fbef509755c4
Display resolution (pixels)	1366 x 768
Display resolution standard	HD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	15.6
Display size (diagonal, metric)	39.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
Display touchscreen type	touch screen
External I/O ports footnote number	[14]
External I/O ports footnote number	[18]
Fingerprint reader	Fingerprint reader (select models)
I/O Port location	Side
I/O Port location	Display head
I/O Port location	Internal
Magnetic stripe reader	Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable
Memory layout (slots & size)	1 x 8 GB

Memory module type	SODIMM
Memory size	8
Memory size uom	GB
Memory speed	2666
Memory speed uom	MT/s
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	3.2
Processor cache	6 MB L3
Processor core	4
Processor family	Core™ i3
Processor frequency UOM	GHz
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	10th Generation
Processor maximum frequency	3.8
Processor maximum frequency uom	GHz
Processor model	10100E
Processor threads	8
Product long name specifications	HP Engage One All-in-One System
Standard memory note	Transfer rates up to 2666 MT/s.
Storage capacity	256
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 antenna	2x2
Wireless supplier	Intel®

[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.

[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 6 requires Intel® 10th generation processors. HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[12] HP Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro & Win 10 IoT Enterprise 2019 LTSC; but not on Win 10 IoT Enterprise 2016 LTSB.

[13] Actual brightness will be lower with touch screen.

[15] For further details please refer to Quick Specs document.

[20] For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

[21] HP 140W port only compatible with the 140W cable included with the product. Cable required for the HP Engage One Pro to operate.

Accessories

Point of Sales System Options

★ : Recommended

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
HP Engage One Pro Bar Code Scanner	9YH49AA
HP Engage One Pro Magnetic Stripe Reader	2U551AA

POS Cash Drawer

HP Standard Duty Cash Drawer	QT457AA ★
HP Standard Duty Cash Drawer	QT457AT

POS Printer

Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA ★	
Epson TM-T20IIIL Serial USB Printer	340U3AA	
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	obsolete
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 Whi Presentation Scanner	3F568AA
Datalogic 3450Vsi Presentation Scanner	7UZ38AA
Epson 12 FT PUSB Cable	7NX62AA

HP All-in-One Adjustable Height Stand Black	518U6AA
HP All-in-One Adjustable Height Stand White	518U7AA
HP Cable Pack for Dual HP Cash Drawer	QT538AA
HP Engage Express Bag Holder	6P2F7AA
HP Engage Express Countertop 1	6P2E2AA
HP Engage Express Countertop 2	6P2E3AA
HP Engage Express Countertop 3	6P2E4AA
HP Engage Express Countertop 4	6P2E5AA
HP Engage Express Countertop BCS Cradle	6P2F9AA
HP Engage Express Countertop Mount	7P9E2AA
HP Engage Express Pedestal 10	6P2F2AA
HP Engage Express Pedestal 11	6P2F3AA
HP Engage Express Pedestal 12	9Y3Q7AA
HP Engage Express Pedestal 5	6P2E7AA
HP Engage Express Pedestal 6	6P2E8AA
HP Engage Express Pedestal 7	6P2E9AA
HP Engage Express Pedestal 8	6P2F0AA
HP Engage Express Pedestal 9	6P2F1AA
HP Engage Express Shelves	6P2G0AA
HP Engage Express Side Payment Arm	9Y3Q8AA
HP Engage Express Universal Payment Arm	7Y397AA
HP Engage Heavy Duty Cash Drawer RL	8QX99AA
HP Engage One Prime Cash Drawer Cable	5UU45AA
HP Engage One Pro AiO Advanced Fanless Hub Kit	9YH40AA
HP Engage One Pro AiO Column Hub	9YH41AA
HP Engage One Pro AiO VESA Hub	9YH42AA

POS Monitors and Accessories

Engage One Pro Flexible Pole Single Mount	2W7M4AA
HP Engage 10 Clean Mount Stand	10P77AA
HP Engage One Pro Undercounter Mount Kit	9YH51AA
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
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HP Engage 10t HD No Stand + VESA Mount Monitor	3F1W9AA
HP Engage 14t FHD Monitor	42C90AA
HP Engage 15t XGA No Stand Monitor	67Q84AA
HP Engage 16t FHD MSR Monitor	2D9Z4AA
HP Engage 16t FHD Monitor	2D9X0AA
HP Engage 2x20 Customer Facing Display	6K552AA
HP Engage 2x20 Customer Facing Pole Display	6K553AA
HP Engage 6.6 inch Display	9YH48AA
HP Engage 6.6 inch Pole Display	10P79AA
HP Engage 6.6 inch White Display	156N8AA
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	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67AA

POS Fingerprint Readers

HP Engage One Fingerprint Reader	1RL98AA
HP Engage One Pro Fingerprint Reader	9YH50AA

Accessories for PC

Components/Upgrades

★ : Recommended

Storage

1TB 2280 PCIe-4x4 NVMe Value M.2 Z2 Kit SSD	4M9Z3AA
512GB 2280 PCIe-4x4 NVMe Value M.2 Z2 Kit SSD	4M9Z2AA

Memory

HP 16GB DDR4-3200 SODIMM	13L75AA
HP 32GB DDR4-3200 SODIMM	13L73AA
HP 8GB DDR4-3200 SODIMM	13L77AA

Services

HP Care Pack Services

★ : Recommended

Personal Systems Hardware Support Onsite Service

HP 1 year Post Warranty ONSITE DMR RPOS Support	U8CE2PE
HP 1y Post Warranty Onsite RPOS Support	U8CD0PE
HP 3y Next Business Day Onsite w/Defective Media Retention RPOS HardwareSupport	U8CD9E
HP 3y Next Business Day Response Onsite w/Defective Media Retention RPOS Sol Supp	UM997E
HP 4y Next Business Day Onsite w/Defective Media Retention RPOS HardwareSupport	U8CE0E
HP 4y Next Business Day Response Onsite RPOS Hardware Support	U1PW0E
HP 4y Next Business Day Response Onsite RPOS Solution Support	UL589E
HP 4y Next Business Day Response Onsite w/Defective Media Retention RPOS Sol Supp	UM998E
HP 5y Next Business Day Onsite w/Defective Media Retention RPOS HardwareSupport	U8CE1E
HP 5y Next Business Day Response Onsite RPOS Hardware Support	U1PW1E
HP 5y Next Business Day Response Onsite RPOS Solution Support	UL590E
HP 5y Next Business Day Response Onsite w/Defective Media Retention RPOS Solution Support	UQ972E

Personal Systems Commercial Care Pack Services

HP 1y Post Warranty Onsite w/Predictive Detection Alerts RPOS	U67VZPE
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access RPOS	UE9K7E
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/DMR RPOS	UE9L0E
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals RPOS	UE9L6E
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals RPOS	UE9L3E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access RPOS	UE9K8E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/DMR RPOS	UE9L1E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals RPOS	UE9L7E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals RPOS	UE9L4E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access RPOS	UE9K9E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/DMR RPOS	UE9L2E

HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals RPOS	UE9L8E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals RPOS	UE9L5E

Workforce Computing

Support Services (Workforce Computing)

HP 1 year Priority Access Plus Service for PCs (1000+ seats)	U80M9E
HP 1 year Priority Access Service for PCs (250+ seats)	U80M5E
HP 2yr Priority Access PC 250+ seats SVC	U80LYE
HP 2yr PriorityAccessPlus PC 1K+ seats SVC	U80LZE
HP 3 year Priority Access Plus Service for PCs (1000+ seats)	U80MBE
HP 3 year Recover - Restore Onsite SW Supp	U80LQE
HP 3 year Recover Hard Disk Data SW Supp	U80LNE
HP 3 years Priority Access Service for PCs (250+ seats)	U80M6E
HP 4 year Priority Access Plus Service for PCs (1000+ seats)	U80MCE
HP 4 year Priority Access Service for PCs (250+ seats)	U80M1E
HP 5 year Priority Access Plus Service for PCs (1000+ seats)	U80MDE
HP 5 year Priority Access Service for PCs (250+ seats)	U80M2E

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