HP Engage One Pro All-in-One System (AZ1E8UA)



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	Windows 11 Pro
Processor family	10th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-10500E (3.1 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)[6,7]
Chipset	Intel® Q470E
Memory	16 GB DDR4-2666 MT/s (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ TLC M.2 SSD
Internal drive bays	Two M.2
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Display	60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC
Display	23.8" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC[13,15]
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers and stereo headphone jack, 2W
Minimum 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) *(Stand only.)*
Minimum 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) *(Stand only.)*
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
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	198701876977

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
Color	Ebony black or ceramic white
Color gamut	72% NTSC
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	23.8
Display size (diagonal, metric)	60.5
Display size (diagonal, metric) uom	cm
External I/O ports footnote number	[14]
External I/O ports footnote number	[18]
Fingerprint reader	Fingerprint reader (select models)
I/O Port location	Display head
I/O Port location	Side
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 16 GB
Memory module type	SODIMM
Memory size	16
Memory size uom	GB

Memory speed	2666
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	1
Operating humidity range	20 to 85% RH
Operating temperature range	50 to 104°F
Operating temperature range	10 to 40°C
Processor Brand	Intel®
Processor base frequency	3.1
Processor cache	12 MB L3
Processor core	6
Processor family	Core™ i5
Processor frequency UOM	GHz
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	10th Generation
Processor maximum frequency	4.2
Processor maximum frequency uom	GHz
Processor model	10500E
Processor threads	12
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

---

[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
HP USB Standard Duty Cash Drawer	E8E45AA

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
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 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 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
HP Engage One Pro U-shape Hub Adapter	9YH43AA

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

HP Engage 10t HD No Stand + VESA Mount Monitor	3F1W9AA
HP Engage 14 FHD No Stand and No VESA Monitor	42C50AA
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 2 x 20 Pole Display	5RD97AA
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 Display with Payment	156P0AA
HP Engage 6.6 inch Display without Payment	10P74AA
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 16GB DDR4-3200 SODIMM	13L75AT
HP 32GB DDR4-3200 SODIMM	13L73AA
HP 8GB DDR4-3200 SODIMM	13L77AA

Keyboards/Other Input Devices

Wired Combo

HP USB Keyboard and Mouse Healthcare Edition	1VD81AA

Disclaimer — Copyright

Microsoft, Windows, and the Windows Logo are trademarks or registered trademarks of Microsoft Corporation in the U.S. and other countries. Intel, Core, Celeron and Intel vPro are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Android is a trademark of Google LLC. USB Type-C® and USB-C® are trademarks of USB Implementers Forum. Bluetooth is a trademark of its proprietor and used by HP Inc. under license. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

© Copyright 2024 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.