



HP Engage One Essential AiO System (691W0UA)



Overview

Lasting durability meets streamlined design

Deliver exceptional experiences to customers and value to your business with the sleek, functional HP Engage One Essential. This elegant system offers rugged durability with the performance you need, and a range of deployment and accessory options so you can tailor it for your specific operations.

Resiliently crafted, defined by design

Conduct business confidently with a fanless, fully sealed design to protect from dust and liquid intrusion (IP54 certified^[1]). And with its sleek look, this device complements any environment.

Essential everyday performance

Get all the performance you need, without unnecessary frills. Blaze through shifts with an Intel® processor^[5], a range of ports to connect everyday devices, and fast, reliable network connectivity through wired ethernet or Wi-Fi. 5^[6].

Design your ideal system

Configure a system for your unique business with integrated accessory options^[3] that help keep counters clutter free—magnetic stripe reader, barcode scanner, fingerprint reader and more—and a choice of stands, VESA® mounts and customer facing displays. ^[4]

^[1] HP Engage One Essential All-in-One System is IP54 Certified. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

^[3] Embedded peripherals excluding the barcode scanner and 6.6 inch customer facing display must be configured at purchase.

^[4] Stands and VESA® Hubs must be configured at purchase.

^[5] 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.

^[6] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.

Specifications

Operating system	Windows 10 IoT Enterprise
Processor family	Intel® Pentium® processor
Processor	Intel® Pentium® N6415 (1.2 GHz base frequency, up to 3.0 GHz with Intel® Turbo Boost Technology, 1.5 MB L2 cache, 4 cores, 4 threads) ^[6,7]
Memory	8 GB DDR4-3200 MHz RAM (1 x 8 GB)
Memory Slots	1 SODIMM
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	35.6 cm (14") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC
Display	14" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC ^[12]
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers, digital mic and 1W mono speaker
Minimum dimensions (W x D x H)	35.40 x 22.00 x 26.67 cm (head unit and essential stand); 35.40 x 22.00 x 28.38 cm (head unit and advanced stand); 35.40 x 22.00 x 28.38 cm (head unit and advanced swivel stand); 35.40 x 4.84 x 21.50 cm (head unit and pro VESA hub); 35.40 x 5.55 x 21.50 cm (head unit and essential VESA hub)
Minimum dimensions (W x D x H)	13.94 x 8.66 x 10.5 in (head unit and essential stand); 13.94 x 8.66 x 11.17 in (head unit and advanced stand); 13.94 x 8.66 x 11.17 in (head unit and advanced swivel stand); 13.94 x 2.19 x 8.47 in (head unit and essential VESA hub); 13.94 x 1.9 x 8.47 in (head unit and pro VESA hub)
Weight	4.35 kg (head unit and essential stand); 4.80 kg (head unit and advanced stand); 5.40 kg (head unit and advanced swivel stand); 3.00 kg (head unit and pro VESA hub); 2.8 kg (head unit and essential VESA hub)
Weight	9.59 lb (head unit and essential stand); 10.58 lb (head unit and advanced stand); 11.91 lb (head unit and advanced swivel stand); 6.61 lb (head unit and essential VESA hub); 6.17 lb (head unit and pro VESA hub)
Ports	1 RJ-45; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A
Expansion slots	1 M.2 2280
Wireless	Realtek RTL8821CE 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 combo
Power	150 W external Smart AC power adapter, up to 89% efficiency, active PFC (advanced stand and advanced with swivel stand and pro VESA hub)
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure; 30% post-consumer recycled plastic; Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable

Security management

Power-on password (via BIOS); Trusted Platform Module TPM 2.0
Embedded Security Chip; USB enable/disable (via BIOS); Security lock slot;
Device security; Secure Boot; Administrator password (via BIOS); AMI
BIOS^[14]

UPC number

196548512324

Additional specifications

Barcode reader	Optional HP Engage One Pro Integrated Barcode Scanner
Bluetooth version	Bluetooth® 4.2
Certifications and compliances	CEL
Color	Ebony black
Color gamut	45% NTSC
Datasheet photo 1	AHID/3ffea84e86698b56fe8562ae82c6c607fdf3a5a9
Datasheet photo 3	AHID/c7793c027c0873e9debadf8d7e3b8eabe0485a06
Datasheet photo 4	AHID/733b5fd939735068d31d86d59c69b1fbf41995d4
Datasheet photo 5	AHID/25d5bd7a169e36ddeabe5e983846d8e6669c071
Display brightness	250
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)	14
Display size (diagonal, metric)	35.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
Display touchscreen type	touch screen
I/O Port location	Display head
Magnetic stripe reader	Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable ^[6]
Memory layout (slots & size)	1 x 8 GB
Memory module type	SODIMM
Memory size	8
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	1
Operating humidity range	10 to 90% RH
Operating temperature range	32 to 95°F

Operating temperature range	0 to 35°C
Processor Brand	Intel®
Processor base frequency	1.2
Processor cache	1.5 MB L2
Processor core	4
Processor family	Pentium®
Processor frequency UOM	GHz
Processor frequency technology	Intel® Turbo Boost Technology
Processor maximum frequency	3.0
Processor maximum frequency uom	GHz
Processor model	N6415
Processor threads	4
Storage capacity	256
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211505
Wireless Model	RTL8821CE
Wireless antenna	1x1
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

[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.

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

[14] Security Lock Slot available only for Advanced or Advanced Swivel Stands.

Accessories

Point of Sales System Options

★ : Recommended

POS Display Accessories

HP L7014t 14-inch Retail Touch Monitor	T6N32AA ★
HP Engage 2 x 20 Pole Display	5RD97AA
HP Engage 2 x 20 Pole Display	5RD97AT
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 6.6 inch White Pole Display	156N9AA
HP Engage One 10.1-inch Display	1XD80AA
HP Engage One W 10.1-inch Display	3FH66A8
HP L7010t 10.1-inch Retail Touch Monitor	T6N30A8
HP L7010t 10.1-inch Retail Touch Monitor	T6N30AA
HP L7014 14-inch Retail Monitor	T6N31A8
HP L7014 14-inch Retail Monitor	T6N31AA
HP L7014t 14-inch Retail Touch Monitor	T6N32A8

POS Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i Presentation Scanner	9BU50AA
EPSON 10FT USB CABLE	2LR29AA
Epson 10 FT Powered USB Y Cable	2KH40AA
Epson 12 FT PUSB Cable	7NX62AA
Epson 6 FT Serial Black Cable	2KH41AA
Epson 6FT PUSB Dark Gray Cable	1C5A0AA
Epson 6FT PUSB Dark Gray Cable	2KH43AA
HP 10 foot PUSB Power Only Black Cable	5R8R5AA
HP 6 Foot PUSB Black Cable	5C2B8AA
HP 6 Foot USB Black Cable	5C2B7AA
HP Engage One Pro AiO VESA Hub	9YH42AA
HP Engage One Pro AiO VESA Hub White	326R6AA

POS Bar Code and Magnetic Stripe Readers

Datalogic 4090 Wireless Charging Base	4P775AA
Datalogic 4190 Wireless Charging Base	4P776AA
Datalogic Gryphon GBT4500 2D Wireless Barcode Scanner	4P886AA
Datalogic Gryphon GBT4500 2D Wireless Barcode Scanner w DGM	4P887AA
HP Engage Imaging Barcode Scanner II	5YQ08AA
HP Engage Imaging Barcode Scanner II	5YQ08AT
HP Engage One 2D Barcode Scanner	1RL97AA
HP Engage One Prime Barcode Scanner	638L9AA
HP Engage One Prime Barcode Scanner	638L9AT
HP Engage One Prime Barcode Scanner	638M0AT
HP Engage One Prime White Barcode Scanner	638M0AA
HP Engage One Pro Bar Code Scanner	9YH49AA
HP Engage One W 2D Barcode Scanner	3GS20AA

POS Monitors and Accessories

Engage One Pro Flexible Back to Back Bracket	2W7M3AA
Engage One Pro Flexible Pole Single Mount	2W7M4AA
HP Engage One Pro AiO Slim VESA Mount	1A4E7AA

POS Printer

Epson H6000V Hybrid POS Printer	4ZE21AA
Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA
Epson TM-L90II Printer	4J8H7AA
Epson TM-M30 Printer	2HV27AA
Epson TM-m30 Printer White	6BC95AA
Epson TM-m30II Printer	340U1AA
Epson TM88VI PUSB Printer only	6BC94AA
HP Engage One Prime White Receipt Printer	4VW61AA
HP Engage PUSB Thermal Printer	299V0AA
HP Engage Serial Ethernet USB Thermal Printer	299U7AA
HP Value Thermal Receipt Printer	4AK33AA

POS Fingerprint Readers

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

POS Cash Drawer

HP Engage One Prime Cash Drawer	638M5AA
HP Engage One Prime Cash Drawer	638M5AT
HP Engage One Prime White Cash Drawer	638M6AA
HP Engage One Prime White Cash Drawer	638M6AT
HP Heavy Duty Cash Drawer	FK182AA
HP Standard Duty Cash Drawer	QT457AA
HP Standard Duty Cash Drawer	QT457AT
HP Standard Duty Till with Lockable Lid	QT458AA
HP USB Standard Duty Cash Drawer	E8E45AA
Standard Duty Cash Drawer Till 4B8C	4Z4T1AA
Standard Duty Cash Drawer Till 5B5C	4Z4T0AA

POS Keyboard

HP Engage Standard Retail Keyboard	7HZ85AA
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
HP USB POS Keyboard with Magnetic Stripe Reader	FK218AT

Batteries/Chargers/Adapters

Power Supplies

Epson PS-180 50W AC Adapter	2KH39AA
-----------------------------	---------

Security and Protection

PC Locks

HP Keyed Cable Lock 10 mm	T1A62AA
HP Keyed Cable Lock 10 mm	T1A62UT

Cables/Cable Kits/Cable Adapters

Port Cables and Cable Adapters

HP Powered USB Y Cable	BM477AT
------------------------	---------

Cable Adapters

HP USB-C to DP Adapter	N9K78AA
HP USB-C to DP Adapter	N9K78UT

HP USB-C to HDMI Adapter

4SH07AA

HP USB-C to VGA Adapter

N9K76AA

HP USB-C to VGA Adapter

N9K76UT

Keyboards/Mice and Input Devices

Keyboard and Mouse Kits

HP USB Keyboard and Mouse Healthcare Edition

1VD81AA

Services

HP Care Pack Services

★ : Recommended

Personal Systems Hardware Support Onsite Service

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 Hardware Support	UM997E

Disclaimer — Copyright

Intel, the Intel logo, Core, Celeron and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. AMD is a trademark of Advanced Micro Devices, Inc. Wi-fi 5 is a trademark of Wi-Fi Alliance®. ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency.

© Copyright 2015. Hewlett-Packard 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.

Generated by Dynamic Collateral Tool – (us-en) – Dec 09, 2022 1:32 PM UTC+0000