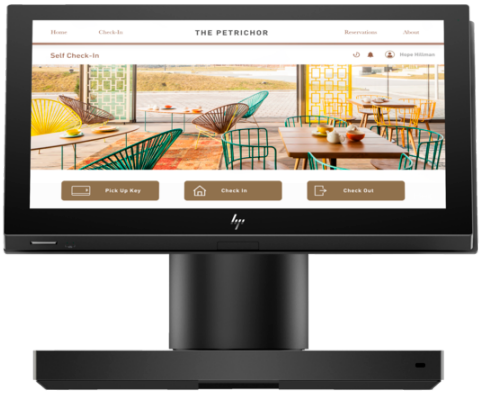
HP Engage One Essential AiO System (6Q2M0UT)



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]

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[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

Form factor	All-in-one
Operating system	Android™ 11
Processor family	Intel® Celeron® processor
Processor	Intel® Celeron® N6211 (1.2 GHz base frequency, up to 3.0 GHz with Intel® Turbo Boost Technology, 1.5 MB L2 cache, 2 cores 2 threads)[6,7]
Memory	4 GB DDR4-3200 MHz RAM (1 x 4 GB)
Memory Slots	1 SODIMM
Internal Storage	32 GB eMMC
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); 6.17 lb (head unit and essential VESA hub); 6.61 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 wireless card
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	196786376740

Additional specifications

Barcode reader	Optional HP Engage One Pro Integrated Barcode Scanner
Bluetooth version	Bluetooth® 4.2
Certifications and compliances	CEL
Color	Ebony black or ceramic white
Color gamut	45% NTSC
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 4 GB
Memory module type	SODIMM
Memory size	4
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	2
Processor family	Celeron®
Processor frequency UOM	GHz
Processor frequency technology	Intel® Turbo Boost Technology
Processor maximum frequency	3.0
Processor maximum frequency uom	GHz
Processor model	N6211
Processor threads	2
Storage capacity	32
Storage capacity uom 01	GB
Storage type	eMMC
Storage type 01	eMMC
UNSPSC code	43211505
Wireless Model	RTL8821CE
Wireless antenna	1x1
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

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[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 Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i Presentation Scanner	9BU50AA
Datalogic 1500i Whi Presentation Scanner	3F568AA
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 6 Foot PUSB Black Cable	5C2B8AA
HP 6 Foot USB Black Cable	5C2B7AA
HP Cable Pack for Dual HP Cash Drawer	QT538AA
HP Engage Heavy Duty Cash Drawer RL	8QX99AA
HP Engage One Prime Cash Drawer Cable	5UU45AA
HP Engage One Pro AiO VESA Hub	9YH42AA
HP Engage One Pro AiO VESA Hub White	326R6AA
Ingenico Black Moby 5500M	4J8J3AA

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
HP Engage 2D G2 Barcode Scanner	6Y2V4AA
HP Engage 2D G2 White Barcode Scanner	6Y2V5AA
HP Engage Imaging Barcode Scanner II	5YQ08AA
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

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-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 Cash Drawer

HD Cash Drawer Till 5B5C	31G54AA
HP Cash Drawer	54J44AA
HP Engage One Prime Cash Drawer	638M5AA
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 Standard Duty Till with Lockable Lid	QT458AT
Standard Duty Cash Drawer Till 4B8C	4Z4T1AA
Standard Duty Cash Drawer Till 5B5C	4Z4T0AA

POS Display Accessories

HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8A7
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 2 x 20 Pole Display	5RD97AA

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	1XD80A7
HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Display	1XD81A7
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
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
HP L7014t 14-inch Retail Touch Monitor	T6N32AA

POS Fingerprint Readers

HP Engage One Fingerprint Reader	1RL98AA

POS Keyboard

HP POS USB Keyboard	FK221AA
HP POS USB Keyboard	FK221AT
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AT

Batteries/Chargers/Adapters

Power Supplies

Epson PS-180 50W AC Adapter	2KH39AA

Accessories for PC

Security

★ : Recommended

Security Cables

HP Keyed Cable Lock 10 mm	T1A62AA

Port Replicators/Dongles/Docking

Cables/Cable Adapters/Dongles

HP Powered USB Y Cable	BM477AA
HP USB-C to DP Adapter	N9K78AA
HP USB-C to HDMI Adapter	4SH07AA
HP USB-C to VGA Adapter	N9K76AA
HP USB-C to VGA Display Adapter	P7Z54AA

Keyboards/Other Input Devices

Wired Combo

HP USB Keyboard and Mouse Healthcare Edition	1VD81AA

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