HP Engage One Pro All-in-One System (658S5UA)



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.

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[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 Software	Android™ 11
Processor Family	Intel® Celeron® processor
Processor Name	Intel® Celeron® G5900E (3.2 GHz base frequency, 2 MB L3 cache, 2 cores)[6]
Chipset	Intel® Q470E
Standard Memory Description 01	4 GB DDR4-2666 MT/s (1 x 4 GB)
Memory Slots	2 SODIMM
Hard Drive Description (01)	256 GB PCIe® NVMe™ TLC M.2 SSD
Hard Drive Description (02)	256 GB PCIe® NVMe™ TLC M.2 SSD
Drive Bays, Total Internal Bays	Two M.2
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® UHD Graphics 610
Display Description (metric)	60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC
Display Description	23.8" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC[13,15]
Audio Features	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers and stereo headphone jack, 2W
Product Dimensions (metric)	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.)*
Product Dimensions (imperial)	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 (metric)	.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 (imperial)	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)
External I/O 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]
External I/O Ports 02	1 Security lock slot
External I/O Ports 03	1 SuperSpeed USB Type-A 5Gbps signaling rate
Wireless Technologies	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card, non-vPro®

Power Supply Required	230 W external power adapter, up to 89% efficiency, active PFC
Manageability 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	(ABA) 196548156955; (ABM) 196548156962

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® 5.2
Color	Black
Display Color Gamut	72% NTSC
Display Panel Technology	IPS
Display Resolution (Pixels)	1920 x 1080
Display Resolution Standard	FHD
Display Size (Diagonal)	23.8
Display Size (Diagonal) UOM	"
Display Size (Diagonal, Metric)	60.5
Display Size (Diagonal, Metric) UOM	cm
Display Surface Treatment	anti-glare
Display Touchscreen Type	touch screen
ECC Memory	non-ECC
External I/O Ports Footnote Number 02	[14]
External I/O Ports Footnote Number 03	[18]
Fingerprint Reader	Fingerprint reader (select models)
I/O Port Location 01	Display head
I/O Port Location 02	Side
I/O Port Location 03	Internal
Magnetic Stripe Reader	Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable
Memory Layout (Slots & Size)	1 x 4 GB

Memory Module Type	SODIMM
Memory Size	4
Memory Size UOM	GB
Memory Slots Number	1
Memory Speed	2666
Memory Speed UOM	MT/s
Memory Type	DDR4
Operating Humidity Range	20 to 85% RH
Operating Temperature Range (celsius)	10 to 40°C
Operating Temperature Range (fahrenheit)	50 to 104°F
Processor Base Frequency	3.2
Processor Brand	Intel®
Processor Cache Installed	2 MB L3
Processor Core	2
Processor Family (Short)	Celeron®
Processor Frequency UOM	GHz
Processor Model	G5900E
Processor Threads	2
Product Long Name Specifications	HP Engage One All-in-One System
Standard Memory Note 01	Transfer rates up to 2666 MT/s.
Storage Capacity 01	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 01	SSD
Storage type (filter)	SSD
TCO Certified	TCO Certified, Edge
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.

[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 ★**
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	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
HP Engage One Pro White Magnetic Stripe Reader	2V9G4AA
HP Engage Prime G2 Barcode Scanner	C29Z6AA

POS Cash Drawer

HP Standard Duty Cash Drawer	**QT457AA ★**
HD Cash Drawer Till 5B5C	31G54AA
HP Engage One Prime Cash Drawer	638M5AA
HP Heavy Duty Cash Drawer	FK182AA
HP Standard Duty Cash Drawer	QT457AT
HP Standard Duty Till with Lockable Lid	QT458AA
HP Standard Duty USB Keyless Cash Drawer	A09FBAA
Heavy Duty Till 4B8C Cash Drawer Till	54J44AA
Standard Duty Cash Drawer Till 4B8C	4Z4T1AA
Standard Duty Cash Drawer Till 5B5C	4Z4T0AA

POS Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i Presentation Scanner	9BU50AA
Datalogic 1500i Whi Presentation Scanner	3F568AA
Datalogic 18W AC Adapter w/Power Cord + Cable	A0EK1AA

Datalogic 3450Vsi Presentation Scanner	7UZ38AA
EPSON 10FT USB CABLE	2LR29AA
Engage One Pro USB-A Expansion	3D3J5AA
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 0.32m USB-C 10inch CFD to Column hub Cable	CJ3C4AA
HP 0.5m USB-C to USBC Cable Gray	316D7AA
HP 0.62m USB-C 10inch CFD to Advanced hub Cable	CJ3C5AA
HP 6 Foot PUSB Black Cable	5C2B8AA
HP 6 Foot USB Black Cable	5C2B7AA
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 Indicator Light	C7VB6AA

HP Engage One Prime Cash Drawer Cable	5UU45AA
HP Engage One Pro 0.5m USB-C Cable	201A1AA
HP Engage One Pro 0.5m USB-C Cable Black	2Z8N0AA
HP Engage One Pro 0.5m USB-C Cable Gray	2Z8N1AA
HP Engage One Pro 2m USB-C Cable	201A2AA
HP Engage One Pro 2m USB-C Cable Black	2Z8M9AA
HP Engage One Pro 2m USB-C Cable Gray	2Z8N2AA
HP Engage One Pro 2m USB-C to USBC Cable Gray	316D6AA
HP Engage One Pro AiO Advanced Fanless Hub Kit	9YH40AA
HP Engage One Pro AiO Column Hub	9YH41AA
HP Engage One Pro AiO Slim VESA White	326R7AA
HP Engage One Pro AiO VESA Hub	9YH42AA
HP Engage One Pro AiO VESA Hub White	326R6AA
HP Engage One Pro U-shape Hub Adapter	9YH43AA
HP Engage One Pro U-shaped Adapter W	156N7AA
RJ45 Extender for Advanced Stand w/10inch CFD and Column Hub	CJ3C6AA

POS Monitors and Accessories

Engage One Pro Flexible Back to Back Bracket	2W7M3AA
Engage One Pro Flexible Pole Single Mount	2W7M4AA
HP Engage 10 Clean Mount Stand	10P77AA
HP Engage 10 Stability Mount Stand	10P78AA
HP Engage 10 Standalone Stand	4N2P5AA
HP Engage 14 Clean Mount Stand	10P58AA
HP Engage 14 Stability Mount Stand	10P62AA
HP Engage 14 Standalone Stand	4A2G1AA
HP Engage 14 VESA Plate	4A2G2AA
HP Engage 16t Column Stand	4A2F9AA
HP Engage 16t VESA Plate	4A2G0AA
HP Engage One Pro AiO Slim VESA Mount	1A4E7AA
HP Engage One Pro AiO Stability Plate	1A4E5AA
HP Engage One Pro AiO Stability Plate W	1A4E6AA
HP Engage One Pro Undercounter Mount Kit	9YH51AA
HP Engage Stability Mount Stand Attachment	4A2F8AA
HP Monitor Stand for L7010t L7014 and L7014t	T6N33AA
HP Monitor Stand for L7016t	W0Q45AA

POS Printer

Epson TM-H6000VI EMEA Hybrid Printer	C9HC0AA
Epson TM-H6000VI Hybrid Printer	A1NL2AA
Epson TM-L90II Printer	4J8H7AA
Epson TM-T20IIIL Serial USB Printer	340U3AA
Epson TM-T88VII EMEA PUSB Thermal Printer	C9HB8AA
Epson TM-T88VII EMEA Serial Ethernet USB Thermal Printer	C9HB9AA
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
HP Engage PUSB Thermal Printer	299V0AA
HP Engage Serial Ethernet USB Thermal Printer	299U7AA
HP Value Series USB Thermal Printer without AC Adapter	60Q65AA
HP Value Thermal Receipt Printer	4AK33AA

POS Display Accessories

HP Engage 10 Display	C3QT3AA
HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8AA
HP Engage 10 Touch Display	C3QT2AA
HP Engage 10t HD No Stand + VESA Mount Monitor	3F1W9AA
HP Engage 10t Tap + Scan Display	C3QT0AA
HP Engage 10t Tap Display	C3QT1AA
HP Engage 10tw Tap + Scan Display	C3QT4AA
HP Engage 10tw Tap Display	C3QT5AA
HP Engage 10w Display	C3QT7AA
HP Engage 10w Touch Display	C3QT6AA
HP Engage 14 FHD No Stand+No VESA Monitor - 14	8X037AA
HP Engage 14t FHD Monitor	42C90AA
HP Engage 14t FHD No Stand+No VESA Monitor - 14t	8X078AA
HP Engage 15t XGA No Stand Monitor	67Q84AA
HP Engage 16t FHD MSR Monitor	2D9Z4AA
HP Engage 16t FHD Magnetic Strip Reader No Stand + Vesa Mount Monitor	8Q3W5AA

HP Engage 16t FHD Monitor	2D9X0AA
HP Engage 16t FHD No Stand+No VESA Monitor - 16t	8Q3N2AA
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 6.9 inch Black Display	B11G3AA
HP Engage 6.9 inch White Display	B11G4AA
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	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67A8
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

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

AC Adapters

Epson PS-190 50W AC Adapter	92Q81AA

Accessories for PC

Components/Upgrades

★ : Recommended

Storage

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

Memory

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

Internal ports/Modules/Controllers

HP AI Accelerator M.2 Card	C3QS9AA

Stands/Mounting Brackets

Stands

G2 AiO High Black Advanced Stand	CJ3C1AA
G2 AiO Low Black Advanced Stand	CJ3C0AA
HP All-in-One Black Stand CFD kit and stopper	CJ3C3AA
HP All-in-One Black Stand Non CFD kit	CJ3C2AA

Port Replicators/Dongles/Docking

Cables/Cable Adapters/Dongles

HP Powered USB Y Cable	BM477AA

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