



HP Engage One G2 AIO



Drive business operations with the HP Engage One G2 AIO point-of-sale system, blending sleek aesthetics with fast, efficient performance and lasting durability.

Sleek Style. Effortless Flexibility.

Configure an ideal system that complements your business. An ultra-thin 15.6" display comes on a 0-60° tilt stand for optimal viewing. Customize your setup while keeping counters clean with optional integrated peripherals and mount or stand options.

Power to Keep Business Moving

Deliver smooth customer experiences that scale to your business needs.² Add an optional HP AI Accelerator Card for efficient processing of voice and vision AI solutions.³ HP Wolf Security for Business⁴ creates a hardware-enforced, always-on defense that protects your business from malware and phishing attempts.

Built to Last

The HP Engage One G2 is designed to pass military standard testing⁵ and resist dust and liquid intrusion (IP54 rated⁶). Deploy with confidence over extended rollouts with a 5-year lifecycle and an additional 5-year service life.

Seamless Serviceability

Down time is not an option when it affects the bottom line. The HP Engage One G2 is designed for easy servicing with a quick release head unit for maintenance. Two M.2 slots provide flexibility to add or upgrade components and storage.

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Technical specifications

Operating Systems	Windows 11 Pro
	Windows 11 IoT Enterprise LTSC 2024
	* Next version of Windows IoT LTSC TBD
	FreeDOS 3.0
	ChromeOS Flex
	Certification only: SUSE Linux® Enterprise Desktop 15

Available Processors ^{2,3,4,34}	• Intel® Core™ 5-120U with Intel® Graphics (0.9 GHz E-core base frequency, 1.4 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 12 threads);
	• Intel® Core™ 3-100U with Intel® Graphics (0.9 GHz E-core base frequency, 1.2 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 10 MB L3 cache, 2 P-cores and 4 E-cores, 8 threads);
	• Intel® Processor U300E with Intel® UHD Graphics (0.9 GHz E-core base frequency, 1.1 GHz P-core base frequency, up to 3.2 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 8 MB L3 cache, 1 P-core and 4 E-cores, 6 threads);

Memory	2x DDR5 SODIMM memory slots, 8GB, 16GB configured up to 32 GB DDR5
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Memory Slots	2 SODIMM 16GB DDR5 (configure up to 2x16GB)
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Internal storage	2x M.2 Slots- (Support optional Hailo 10 Card in M.2 slot) 256 GB, 512GB per slot. Total up to 1 TB RAID
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Display	15.6" diagonal, FHD (1920 x 1080), touch, 350 nits, 45% NTSC
Available Graphics	Intel® UHD Graphics for RPL-U i5/i3/ Pentium GT2
Wireless technologies	Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®
Network Interface	WLAN
Audio	Integrated HD audio with standard internal speakers and stereo headphone jack
Camera	5 MP camera; IR Camera-Optional with improved AI sensor (HPD)
Security management	2026 HP Security Suite Security Stack (MRR pending from security team), HP Sure Start, HP Sure Run, HP Sure Recover, HP BIOSphere, Hardware TPM 2.0 (Latest), Multifactor Authentication, Asset Tag Support, Tamper Lock, HP Manageability Integration Kit, HP Platform Certificate, Seamless Firmware Update Service, Absolute Persistence Module, HP Sure Admin, HP Client Security Manager, Gen7,
External I/O Ports	1 cash drawer connector, 3 USB 2.0 Type-A, 2 power serial, 4 USB Type-A 10Gbps signaling rate, 1 RJ-45, 1 DC connector, 1 USB Type-C® 5Gbps signaling rate (27 W USB Power Delivery, Alt Mode DisplayPort™), 1 USB Type-C® (140 W USB Power Delivery, Data Transfer)]

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Technical specifications

Wireless Technologies (NFC) (series fixed)

NFC Mirage WNC XRAV-1

Power Supply Required

100W GaN Wall Mount USB-C Fixed 2 Prong 2.0m AC Power Adapter (display only+hubless); 100W GaN Wall Mount USB-C Foldable 2 Prong 2.0m AC Power Adapter (display only+hubless); 280W Standard 7.4 mm PFC Straight Smart (3-pin) AC Power Adapter China (One G2 Advanced Hub); 280W Standard 7.4 mm PFC Straight Smart (3-pin) AC Power Adapter (One G2 Advanced Hub)

Dimensions

Metric: 23.4 X 37.3 X 1.75cm (Display); 33 X 37.3 X 22 cm (Display+stand);35.7 X 37.3 X 22cm (Display+stand+Advanced Hub)

Imperial: 9.2 X 14.7 X 0.7 in (Display); 13 X 14.7 X 8.7 in (Display+ stand);14 X 14.7 X 8.7 in (Display+ stand+advanced hub), L55.3 x W32.8 x H46.9 cm, L21.8 x W12.9 x H18.5 in (Packaging)

Weight

Metric: 2.45kg (Display) ; 4.48 kg (Display+Stand)

Imperial: 5.5 lb (Display); 9.88 (Display+Stand)

Ecolabels

EPEAT Gold with Climate+

Energy star certified

ENERGY STAR® certified

Disclaimers:

2.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.

3.The HP AI Accelerator Card is an optional component sold separately and utilizes the system's second M.2 slot.

4.HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.

5: 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 requires an optional HP Accidental Damage Protection Care Pack.

6: IP54 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: 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. 611.78-4-9480), 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), Cavities® (EPA Reg. No 46781-8), Clorox Healthcare® Bleach Germicidal Wipes (EPA Reg. No. 67619-12), Windex® Electronic Wipes and PDI Easy Screen® Cleaning Wipe.