

HP Engage One G2 AiO System

Built to Impress. Designed to Endure.

Transform your retail and hospitality spaces with the HP Engage One G2 AIO point-of-sale system, blending sleek aesthetics with fast, efficient performance and lasting durability. It's designed to be flexible and cater to your unique setup and customer experience needs.

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 and stand options.

Built to Last

This system is built to endure. The HP Engage One G2 is designed to pass military standard testing and resist dust and liquid intrusion (IP54 rated¹). Deploy with confidence over extended rollouts with a 5-year lifecycle and an additional 5-year service life.

Power to Keep Business Moving

Deliver smooth customer experiences with an Intel® Core™ processor.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.



*Product image may differ from actual product

Sustainability in action

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 interior access. Two M.2 slots provide flexibility to add or upgrade components and storage.



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Featuring

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Extended lifecycle

The 5-year product lifecycle and 5-year service life deliver the consistency you need for staggered rollouts.

IP54 rated

IP54 rated for resistance to dust and liquid intrusion for longer durability.¹

Durability testing

Work with confidence knowing this system is designed to pass MIL-STD-810H durability tests for extreme environments and undergoes 120,000 hours of HP Total Testing.⁵

Flexible mounting

Mount it to suit your use case—on a wall, pole, or counter. VESA® compatibility ensures flexible installation and supports back-to-back CFD mounting.

Tilt and swivel design

Boost visibility and optimize interactions with 0–60° tilt and an optional swivel stand for maximum flexibility.

Intel® Core™ processor

The Intel® Core™ processor can tackle multiple tasks with ease, delivering powerful performance and consistent efficiency for every interaction.²

HP Wolf Security for Business

HP Wolf Security for Business creates a hardware-enforced defense. It detects and self-heals BIOS attacks and helps fight ransomware and phishing and provides future-ready protection against quantum computing attacks.⁴

Easy servicing

Spend less time fixing, more time selling. A Quick Release head unit and easy interior access with minimal tools make servicing fast and effortless.

Two M.2 slots

Two M.2 slots provide flexibility to add or upgrade components and storage.

Integrated peripherals

With optional built-in MSR, NFC reader, 2x20 or 10" CFD options, your checkout adapts effortlessly to your needs.⁶

Built for a better tomorrow

Thoughtfully designed with at least 75% post-consumer recycled plastics. This EPEAT 3.0 Gold, ENERGY STAR® 9.0 device reduces impact responsibly.^{7,8}



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Technical specifications

Available Operating Systems	Windows 11 Pro ¹ Windows 11 IoT Enterprise 2024 LTSC ¹ ChromeOS Flex ² FreeDOS 3.0
Processor family³	Intel® Core™ 5 processor Intel® Core™ 3 processor Intel® Core™ U-series processor
Available Processors^{1,3,4}	Intel® Core™ 5 120U (up to 5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) with Intel® Graphics Intel® Core™ 3 100U (up to 4.7 GHz with Intel® Turbo Boost Technology, 10 MB L3 cache, 6 cores, 8 threads) with Intel® Graphics Intel® Processor U300E (up to 4.3 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 5 cores, 6 threads)
Product colour	Ebony black
Form factor	All-in-One
Maximum memory	32 GB DDR5-5600 MT/s; ⁶ Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM
Internal storage	256 GB up to 512 GB PCIe® NVMe™ SSD ⁷
Display^{15,16}	15.6" diagonal, FHD (1920 x 1080), touch, 350 nits, 45% NTSC 39.6cm (15.6") diagonal, FHD (1920 x 1080), touch, 350 nits, 45% NTSC
Available Graphics	Integrated: ¹⁴
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers and stereo headphone jack, 2W
Expansion slots	1 M.2 2230 ²²
Ports and connectors	Back: 1 USB Type-C® 10Gbps signaling rate (100W USB Power Delivery, DisplayPort™); 1 audio-out; 1 USB-C 27W ⁸ ; Display head: 1 USB Type-C® 10Gbps signaling rate (27W Power Delivery, Data Transfer, ALT Mode); Optional Ports: HP Engage One G2 Advanced hub: [1 cash drawer connector, 2x12V Power USB Port, 1x24V Power USB Port, 2 power serial, 4 USB Type-A 5 Gbps signaling rate, 1 RJ-45, 1 DC connector, 1 USB Type-C® upto 10 Gbps (follows cable spec) DFP signaling rate (36 W USB Power Delivery, Alt Mode DisplayPort™), 1 USB Type-C® UFP 100 W USB Power Delivery, Data Transfer) ^{8,13}
Communications	LAN: Realtek RTL8153CH GbE ⁹ ; WLAN: Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®; NFC Mirage WNC XRAV-1 ^{11,12}
Drive Bays	Two M.2
Environmental	Operating temperature: 10 to 40°C; Operating humidity: 20 to 85% RH
Software	HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer ²⁰ ; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HP Desktop Support Utilities; Edge Customization ²¹ ; HP Easy Clean; Touchpoint Customizer for Commercial; HSA Fusion for Commercial; HSA Telemetry for Commercial; HP Setup Integrated OOB Windows 11; Cloud Recovery Client; eMMC WinRe; HP Pixel LED; POS Touch Utility (HP Engage One G2)
Security management	Trusted Platform Module TPM 2.0 Embedded Security Chip; HP Sure Start ²⁸ ; HP Sure Recover; Absolute Persistence Module ³⁰ ; HP Sure Admin; HP BIOSphere Gen6 ²⁹ ; HP Client Security Manager Gen7; HP Tamper Lock ²³ ; HP Sure Run ²⁷ ; HP Platform Certificate; Seamless Firmware Update Service
Security Software Licenses	HP Wolf Pro Security Edition ³¹



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Technical specifications

Management features	HP Manageability Integration Kit; TPM 2.0; HP Client Security Manager; HP Image Assistant; HP CECP Enabled Configuration ¹⁷ ; HP Connect
Power	100W GaN Wall Mount USB-C Fixed 2 Prong 2.0m AC Power Adapter (display only and hubless); 100W GaN Wall Mount USB-C Floodable 2 Prong 2.0m AC Power Adapter (display only and 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	9.2 x 14.7 x 0.7 in (display); 13 x 14.7 x 8.7 in (display with stand); 14 x 14.7 x 8.7 in (display with stand and advanced hub); 23.4 x 37.3 x 1.75 cm (display); 33 x 37.3 x 22 cm (display with stand); 35.7 x 37.3 x 22 cm (display with stand and advanced hub); (Stand only.)
Weight	5.40 lb (display); 9.88 lb (display with stand); 4.48 kg (display with stand); 2.45 kg (display); (Exact weight depends on configuration.)
Ecolabels	EPEAT Gold with Climate+ ³²
Certification and compliance	IEC 60601-1-2
Sustainable impact specifications	Low halogen; 25% ITE-derived closed loop plastic; 75% post-consumer recycled plastic; At least 35% recycled metal; 80% recycled aluminum in the rear plate; 15% recycle SGCC steel chassis; 50% ocean-bound plastic in fan enclosure; 25% ocean-bound plastic in fan enclosure ^{33,34,35}
Magnetic stripe reader	Optional integrated magnetic stripe reader; Single-head, bi-directional, and encryption capable



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Footnotes

Messaging Footnotes

⁵ 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.

⁶ Optional features sold separately or as add-on features.

⁷ Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 16801-2018 standard.

⁸ Based on US registration according to EPEAT criteria and EPEAT Climate+. Status and tier level varies by country. Visit www.epeat.net for more information.

¹ 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.

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.

Specification Footnotes

¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

² ChromeOS Flex does not support the integrated NFC module.

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⁴ Intel® UHD Graphics 710 on Celeron G6900TE, Intel® UHD Graphics 730 on core i3 and core i5; Intel® UHD Graphics 770 on Core i7.

⁶ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

⁷ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.

⁸ HP 140W port only compatible with the 140W cable included with the product. Cable required for the HP Engage One Pro to operate.

⁹ LAN - In Retail I/O Connectivity Base.

¹⁰ Internal Port is next to the M.2 port.

¹¹ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

¹² Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router.

Requires a wireless router, sold separately, that supports 80MHz and higher channels.

¹³ Minimum one connectivity hub is required.

¹⁴ UHD content required to view UHD images.

¹⁵ Actual brightness will be lower with touch screen.

¹⁶ For further details please refer to Quick Specs document.

¹⁷ HP Client Security Manager Gen7 requires Windows.

²⁰ HP Connection Optimizer requires Windows 10 and Windows 11.

²¹ myHP requires Windows OS.

²² Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.

²³ HP Tamper Lock must be enabled by the customer or your administrator.

²⁶ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 16801-2018 standard.

²⁷ HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

²⁸ HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

²⁹ HP BIOSphere Gen6 features may vary depending on the platform and configuration.

³⁰ Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years.

Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

³¹ HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.

³² Based on US registration according to EPEAT criteria and EPEAT Climate+. Status and tier level varies by country. Visit www.epeat.net for more information.

³³ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen. Standard configurations meet the low halogen specifications however, some custom feature components may not meet the same Low Halogen standard. A standard configuration includes display head, Engage Pro stand, stability plate and I/O Connectivity Base.

³⁴ Percentage of ocean-bound plastic contained in each component varies by product.

³⁵ Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard.

