HP Engage One Pro 19.5 G2 AiO System

Sleek design. Fast performance. Customizable experiences.

Elevate your customer experiences and power business operations. The HP Engage One Pro G2 combines a sleek yet durable design with powerful compute and is customizable for your specific business needs.

Sophisticated design meets versatile deployment.

The sleek HP Engage One Pro G2 is purposefully designed for custom deployments. Choose from three screen sizes, multiple operating systems, and a vast ecosystem of peripherals that attach flush to the screen keeping countertops clutter-free.

Fast performance for exceptional experiences.

Enable fast, seamless customer transactions and interactions with up to an Intel® Core™ i7 processor[1], 64GB DDR5 memory, 8 TB NVME M.2 SSD storage, and WiFi7[2]. Manage your system remotely with optional Intel® vPro™®.

Durability you need. Security you can trust.

This system is built to endure. HP Engage One Pro G2 is backed by military standard testing and resists dust and liquid intrusion (IP44 rated)[3]. HP Wolf Security for Business creates a hardware-enforced, always-on defense against modern threats.[4]



*Product image may differ from actual product

Sustainability in action

Sustainability in Action.

HP is innovating with purpose and intention to drive impactful, positive, lasting change. This device is crafted with at least 85% post-consumer recycled[5] plastic, comes in recycled packaging[6], and is ENERGY STAR® certified and EPEAT® Gold registered.

HP Engage One Pro 19.5 G2 AiO System

Featuring

Available in three sizes
Customize your setup with a choice of three screen sizes, portrait or landscape orientation, and black or white.[7]

Integrated peripherals
Select from a full ecosystem of optional accessories, designed to attach flush to screen and preserve the sleek design while providing needed functionality.[8]

180° flip display
Swap out your multiple displays for just one. This display flips 180° from the associate point of view over to the customer.

Intel® Core™ processor
Run demanding software solutions and get your customers quickly on their way with an Intel® Core®™ processor that delivers powerful performance and productivity.[1]

Contactless payments
Provide intuitive contactless NFC payment to your customer with an easy to see icon and an LED that lights up to confirm payment was accepted.

NFC login functionality
Beyond payments, the integrated NFC functionality can be used for systems login by employees. It can also serve as a tap point for customers to access loyalty applications.

Facial recognition
The embedded IR camera with image sensor processing (ISP) enables facial recognition that wakes and locks the system.

Long lifecycle
Go ahead and plan for the future with a five-year product lifecycle and 10-year service life, delivering the consistency you need for staggered roll-outs.[9]

IP44 rated
Resistant to dust and liquid intrusion, for longer durability.[9]

Disinfectable
Designed and tested to withstand frequent disinfecting. Suitable for use in healthcare environments.[10]

HP Wolf Security for Business
HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense—constantly evolving to protect you against modern threats.[11]

Made with recycled materials
Built sustainably, with an ocean-bound and recycled plastics enclosure with 85% post-consumer recycled content, at least 50% recycled SGCC Steel, and recycle-friendly metals.[5]

HP Engage One Pro 19.5 G2 AiO System

Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 10 IoT Enterprise 2021 LTSC[1] Windows 11 IoT Enterprise 2024 LTSC[1] ChromeOS Flex[2] FreeDOS 3.0 SUSE Linux® Enterprise Server 15
Processor family[3]	Intel® Core™ i7 14th generation processor Intel® Core™ i5 14th generation processor Intel® Core™ i3 14th generation processor Intel® Celeron® G Series processor
Available Processors[1,3,4,5]	Intel® Celeron® G6900TE with Intel® UHD Graphics 710 (2.4 GHz P-core base frequency, 4 MB L3 cache, 2 P-cores, 2 threads) Intel® Core™ i7-14700T with Intel UHD Graphics 770 (0.9 GHz E-core base frequency, 1.3 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 33 MB L3 cache, 8 P-cores and 12 E-cores, 28 threads), supports Intel® vPro® Technology Intel® Core™ i5-14500T with Intel UHD Graphics 770 (1.2 GHz E-core base frequency, 1.7 GHz P-core base requency, up to 3.4 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology Intel® Core™ i3-14100T with Intel UHD Graphics 730 (2.7 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads)
Chipset	Intel® Q670E
Maximum memory	64 GB DDR5-5600 MT/s; [6] Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM
Internal storage	256 GB up to 4 TB PCIe® NVMe™ SSD[7] 256 GB up to 2 TB PCIe® NVMe™ SSD[7]
Display[15,16]	19.5" diagonal, FHD (1920 x 1080), touch, VA, anti-glare, 450 nits, 72% NTSC 49.5 cm (19.5") diagonal, FHD (1920 x 1080), touch, VA, anti-glare, 450 nits, 72% NTSC
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770; Intel® UHD Graphics 710[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	Display head: 2 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 USB Type-A 5Gbps signaling rate; 1 audio-out; 1 USB Type-C® 10Gbps signaling rate (140W USB Power Delivery, DisplayPort™)[8] ; Side: 1 security lock slot[9] ; Internal: 1 USB Type-A 5Gbps signaling rate[10] ; Optional Ports: Choose one of the following connectivity hubs: Advance hub: [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)]. Column hub: [3 USB Type-A 10Gbps signaling rate, 1 RJ-45, 1 DC connector, 2 USB 2.0 Type-A, 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)]. VESA hub: [3 USB Type-A 10Gbps signaling rate, 1 RJ-45, 1 DC connector, 2 USB 2.0 Type-A, 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)]. Combination of Advance hub with Column hub, combination of Advance hub with VESA hub. Hubless - 1 USB 2.0 Type-A[8,13]
Communications	LAN: Intel® I219-LM GbE, vPro®; Realetk RTL8153CH GbE[9] ; WLAN: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®; 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; myHP[21]; HP QuickDrop; Touchpoint Customizer for Commercial; HSA Fusion for Commercial; HSA Telemetry for Commercial
Security management	Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified); HP Sure Start[28]; HP Secure Erase; HP Sure Click[24]; HP Sure Sense[25]; Absolute Persistence Module[30]; HP Sure Admin[19]; HP BIOSphere Gen6[29]; HP Client Security Manager Gen7; HP Tamper Lock[23]; HP Sure Run Gen6[27]; HP Platform Certificate; Seamless Firmware Update Service; Secured-core PC capable; Windows Hello Enhanced Sign-in Security (ESS) Enable
Security Software Licenses	HP Wolf Pro Security Edition[31]
Fingerprint reader	Fingerprint reader (select models)

HP Engage One Pro 19.5 G2 AiO System

Technical specifications

Management features	Intel® vPro® with AMT 11.0; TPM 2.0; HP System Software Manager (SSM); HP Image Assistant; HP Client Security Manager[17]
Power	280 W external Smart AC power adapter, up to 89% efficiency, active PFC (advance hub); 230 W external Smart AC power adapter, up to 89% efficiency, active PFC (column hub); 230 W external Smart AC power adapter, up to 89% efficiency, active PFC (VESA hub); 150 W external Smart AC power adapter, up to 89% efficiency, active PFC (hubless)
Dimensions	0.6 x 0.4 x 0.6 in (pro stand); 9.1 x 4.3 x 4.3 in (advanced stand); 19.2 x 1.2 x 11.5 in (head landscape); 19.2 x 1.2 x 11.5 in (head portrait); 15.2 x 1 x 15.2 cm (pro stand); 48.88 x 2.94 x 29.26 cm (head landscape); 48.88 x 29.26 x 2.94 cm (head portrait); 23.15 x 11 x 11 cm (advanced stand); (Stand only.)
Weight	12.6 lb (19.5" display models); 1 lb (pro stand); 3.7 lb (advanced stand); 5.70 kg (19.5" display models); 0.06 kg (pro stand); 1.7 kg (advanced stand)
Ecolabels	EPEAT® Gold with Climate+[32]
Sustainable impact specifications	Low halogen; 25% ITE-derived closed loop plastic; 75% post-consumer recycled plastic; 80% recycled aluminum in the rear plate; 15% recycle SGCC steel chassis; 50% ocean-bound plastic in fan enclosure[33,34,35]
Barcode reader	Optional HP Engage One Pro Integrated Barcode Scanner
Magnetic stripe reader	Optional integrated magnetic stripe reader

HP Engage One Pro 19.5 G2 AiO System

Footnotes

Messaging Footnotes

[1] 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.
[2] 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.
[3] Liquid intrusion IP44 rating only applies to head unit. 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.
[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] 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 1680.1-2018 standard.
[6] 100% of HP paper-based packaging is from recycled or certified sustainable sources. HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
[7] White only available in 15.6" and 23.8".
[8] Optional features sold separately or as add-on features.
[9] Liquid intrusion IP44 rating only applies to head unit.
[10] 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.
[11] 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 10 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.
[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.
[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.
[5] Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system. See http://www.intel.com/technology/turboboost for more information.
[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.
[18] HP Sure Admin requires Windows 10 or 11 Pro or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
[19] HP Sure Admin requires Windows 10 or 11 Pro or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
[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.
[24] HP Sure Click requires Intel Core i3, i5, or i7processor, Win 11 Pro, Windows 10 Pro or Windows 11 IoT Enterprise 2024, Win 10 IoT Enterprise 2019 LTSC; and is not supported on Win 10 IoT Enterprise 2016 LTSB. See https://bit.ly/2PrLT6A_SureClick for complete details.
[25] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[26] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 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] EPEAT® Gold with Climate+ registered configurations available. See www.epeat.net for registration status and tier levels by country.
[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 1680.1-2018 standard.

© 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.

January 2025