

Solution Brief

HP Engage for Industry Solutions

Power your operations with reliable and durable computing devices built to withstand the demands of challenging environments.

Future-proof your investment

Plan for the future with durable devices purpose-built to withstand challenging environments that carry up to a 10-year manufacturing and service lifecycle.[1]

Enhance productivity

Deploy technology where you need it with arange of mobile and fixed devices offering long lifecycles, powerful processors, and connectivity options.[2]

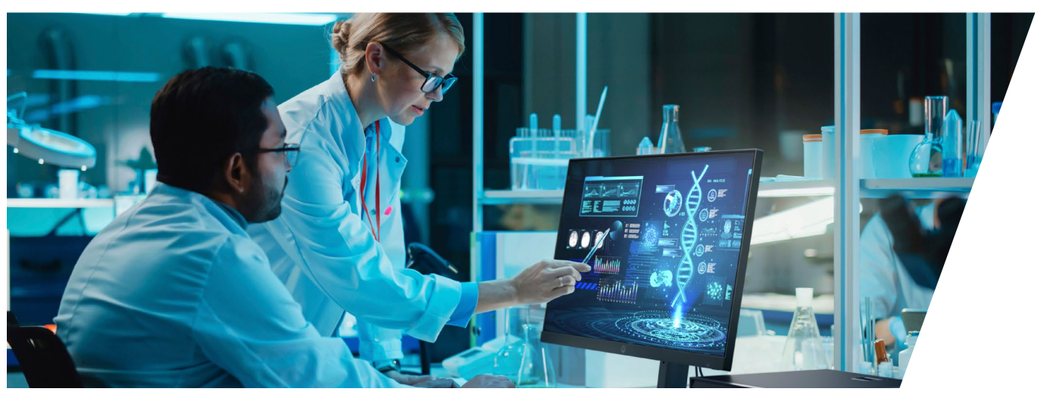
Help keep data and devices secure

Ensure company data and devices are protected with HP's security suite, BIOS-level protection, multi-factor authentication[3], and device lockdown options.[3]

Challenges	How HP Engage devices can help		
Managing costs	Hardened Design	Configurable	Low TCO
Employee productivity	Form Factors	Moblity	Modern Design
Data and device security	Multi-layered Security[3]	Performance	Configurable
Compliance complexity	Long Lifecycle[1]	Global Availability	Sustainability
Staff safety	EMC Compliant[7]	Disinfectable[6]	HP Total Testing[4]

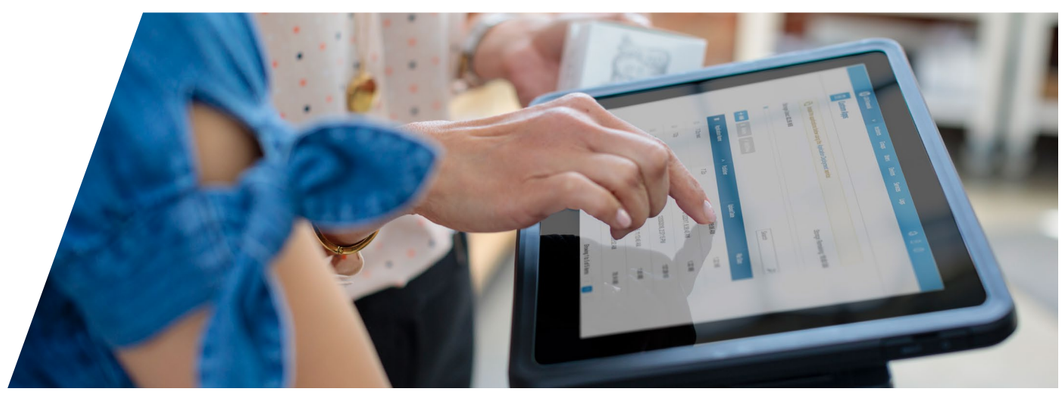
Use Cases

HP Engage devices have a variety of applications across industries, where technology is relied upon by not just your workforce, but also those they serve.



Healthcare and life sciences

HP Engage solutions help deliver better patient experiences with devices built to withstand the rigorous demands of the healthcare environment.



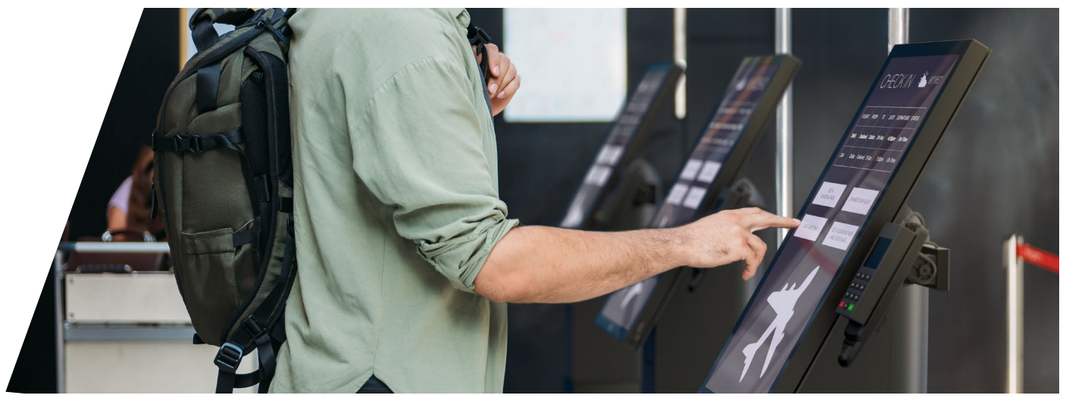
Banking and service automation

Take banking services to the next level with engaging customer experiences powered by HP Engage computing devices.



Industrial automation

Optimize employee productivity and track processes with durable devices designed to reliably operate in challenging industrial and manufacturing environments.



Transportation and logistics

Record and access data on the move with HP Engage devices that are designed to be reliable companions capable of meeting the needs of transportation and logistics operators.

Get the power and reliability your business needs. From manufacturing and service automation to transportation and health-care, the HP Engage long lifecycle products rise to the challenge with an exceptional level of performance, security, and safety.

Long Lifecycle

To increase consistency and reduce operating validation and service costs, HP Engage products carry up to a 10-year manufacturing and service lifecycle[1] and offer OS versions with stable feature sets and extended lifecycles (i.e., Windows LTSC).

The Power You Need

Future-proof your investment with powerful computing options[2], including modern processors and components capable of working with a variety of software and devices to support future use cases.

High Security

Safeguard data and devices and avoid costly breaches with the leaders in computer security. Through HP's proprietary BIOS and set of tools, get layers of protection below, in, and above the OS to proactively prevent threats and quickly recover in the event of a breach.

Durable and Reliable

Fast-paced, 24/7 environments call for durable construction and high-quality components. HP Engage products undergo over 100,000 hours of testing through the HP Total Test Process[4] and include a 3-year, next-business day on-site warranty.[5]

Flexible Sizes, Placement, and Connectivity

Technology requirements are not one-size-fits-all and different uses drive different needs for form factor, connectivity, and compatibility. HP Engage offer multiple configurations with a choice of operating system, as well as a wide range of connectivity options for peripherals and accessories, as well as a variety of placement and mounting options.[2]

Disinfectable and Meets EMC Standards

For staff and users' safety, HP Engage devices can be disinfected up to 10,000 times with medical-grade wipes[6] and are certified to meet EN/IEC 60601-1-2 standards[7] to prevent electromagnetic interference with other devices.

All-in-One Solutions



HP Engage One Pro G2

HP Engage One Pro G2 All-in-One combines computing and touchscreen in a slim yet durable device. Its stylish design is offered in three screen sizes[2] and can be mounted to walls, poles, carts, or a counter.

Mobile solutions



HP Engage Go 10

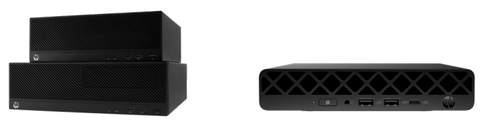
HP Engage Go 10 is a durable tablet that's highly secure, ideally sized and integrates key accessories.[2] The slim tablet can be securely docked to an optional base and undocked by authorized staff only.



HP Engage Go 13.5

HP Engage Go 13.5" easily transitions from fixed operations to a mobile tablet. It's durable and sized for easily readability so you can seamlessly conduct business where and how you need to.

Modular Solutions



HP Engage Flex Pro G2 & HP Engage Flex Mini G2

HP Engage modular devices offer maximum performance and reliability and are available in compact sizes that can be hidden from view. A wide range of connectivity[2] enables attachment of peripherals, devices, and displays.

Peripherals Available

- Printers – Integrated or Standalone
- Fingerprint Reader
- Magnetic Stripe Reader (MSR)
- HP Engage Go Dock
- Bar Code Scanner
- Keyboard
- Touch and Non-touch Monitors and Customer-facing Displays
- HP Active Pen

1. 10-year product lifecycle available on HP Engage One Pro, HP Engage Flex Pro, HP Engage Flex Pro-C, HP RP9
2. Optional features, accessories and mounting hardware sold separately or as add-on features.
3. HP multi-factor authentication requires Windows 10. Select security options and accessories sold separately.
4. HP Total Test Process is not a guarantee of future performance under these test conditions. Accidental Damage or damage under these test conditions require an optional HP Accidental Damage Protection Care Pack.
5. Service levels and response times may vary depending on your geographic location. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according

to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

6. Tested up to 10,000 wipes with select germicidal towelettes over a 3-year period. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper. https://h20195.www2.hp.com/v2/

GetDocument.aspx?docname=4AA7-7610ENW

7. HP Engage Go: EMC Compliant- Certified for IEC60601-1-2, CISPR 32 (EN55032) and CISPR 35 (EN55035). HP Engage One: EN 60601-1-2:2015 Edition 4. HP Engage Flex Pro: EN 60601-1-2:2015 Edition 4. HP Engage One Pro: EN 60601-1-2:2015 Edition 4.
8. IP54 disclaimer: Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. HP Engage Go 10" Mobile System is IP54 rated. If unit has optional payment device IP rating

goes down to IP40.

9. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
10. MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense 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 Service.

1. All-in-One solutions

Feature	HP Engage One Pro G2
Available Operating Systems	Windows 11 Pro Windows 10 IoT Enterprise 2021 LTSC Windows 11 IoT Enterprise 2024 LTSC ChromeOS Flex FreeDOS 3.0 SUSE Linux® Enterprise Server 15
Processor family[3]	Intel® Core™ i7 14th generation processorIntel® Core™ i5 14th generation processorIntel® Core™ i3 14th generation processorIntel® Celeron® G Series processor
Available Processors[2,3,7]	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 MaxTurbo 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®TechnologyIntel® 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 MaxTurbo 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®TechnologyIntel® 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 L3cache, 4 P-cores, 8 threads)
Maximum Memory	64 GB DDR5-5600 MT/s[6]; Transfer rates up to 5600 MT/s
Memory slots	2 SODIMM
Internal store	256 GB up to 4 TB PCIe® NVMe™ SSD[7] 256 GB up to 2 TB PCIe® NVMe™ SSD[7]
Chipset	N/A
Product colour	N/A
Display	23.8" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 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
Wireless technologies	N/A
Expansions 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, 4USB Type-A 10Gbps signaling rate, 1 RJ-45, 1 DC connector, 1 USB Type-C®5Gbps signaling rate (27 W USB Power Delivery, Alt ModeDisplayPort™), 1 USB Type-C®(140 W USB Power Delivery, Data Transfer)]. Column hub: [3 USB Type-A 10Gbps signaling rate, 1 RJ-45, 1 DCconnector, 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 WUSB 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 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]
Communications	LAN: Intel® I219-LM GbE, vPro®; Realetk RTL8153CH GbE 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 Boys	Two M.2
Environmental	Operating temperature: 10 to 40°C; Operating humidity: 20 to 85% RH
Software	HP NotificationsHP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer[20] ; HP Privacy Settings; HP PCHardware Diagnostics Windows; HP Desktop Support Utilities; myHP[21]; HP QuickDrop; Touchpoint Customizer for Commercial; HSA Fusionfor Commercial; HSA Telemetry for Commercial

Feature	HP Engage One Pro G2
Security Managment	Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified); (FIPS 140-2 Level 2Certified)HP Sure Start[28], HP Secure EraseHP Sure Click24, HP Sure Sense[25], Absolute Persistence Module[30], HP Sure Admin19, HPBIOSphere Gen6[29], HP Client Security Manager Gen7; HP Tamper Lock HP Sure Run Gen6[27], HP Platform Certificate Seamless; Firmware Update Service; Secured-core PC capable; Windows Hello Enhanced SIgn-in Security (ESS) Enable SUSE Linux® Enterprise Server 15
Security Software Licenses	HP Wolf Pro Security Edition[31]
Fingerprint reader	Fingerprint reader (select models)
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); 22.5 x 1.2 x 13.4 in (head landscape); 22.5 x 1.2 x 13.4 in (head portrait); 15.2x 1 x 15.2 cm (pro stand); 57.04 x 2.94 x 33.99 cm (head landscape); 57.04 x 33.99 x 2.94 cm (head portrait); 23.15 x 11 x 11 cm (advancedstand); (Stand only.)
Weight	15 lb (23.8" display models); 1 lb (pro stand); 3.7 lb (advanced stand); 6.8 kg (23.8" display models); 0.06 kg (pro stand); 1.7 kg (advancedstand)
Security Software Licenses	Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified); (FIPS 140-2 Level 2Certified)HP Sure Start[28], HP Secure EraseHP Sure Click24, HP Sure Sense[25], Absolute Persistence Module[30], HP Sure Admin19, HPBIOSphere Gen6[29], HP Client Security Manager Gen7; HP Tamper Lock HP Sure Run Gen6[27], HP Platform Certificate Seamless; Firmware Update Service; Secured-core PC capable; Windows Hello Enhanced SIgn-in Security (ESS) Enable SUSE Linux® Enterprise Server 15
Ecolables	TCO Certified; 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 G2

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 varydepending 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 notfinal. 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 aguarantee 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 includedsecurity 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 orcertified, 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 isnot 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. No46781-8), 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 includedsecurity 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 Windowsfunctionality. 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 varydepending 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. Seehttp://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 memoryspeed.

[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 notfinal. 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 countrieswhere 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 supports80MHz 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 fromthe 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 fromthe 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 802.11acWLAN 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. Seehttps://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 withAbsolute 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-AuthorizationAgreement 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 securityfeatures.

[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 specificationshowever, 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.

2. Convertible solutions

Feature	HP Engage Go 10 inch	HP Engage Go 13.5 inch
Available Operating Systems	Windows 11 Pro[26] Windows 10 IoT Enterprise 2021 LTSC[2] Windows 10 IoT Enterprise 2019 LTSC[2] Android™ 11 GMS[8,14] Android™ 11 AOSP[8,14] FreeDOS SUSE Linux® Enterprise Desktop 12	Windows 11 Pro[1] Windows 10 IoT Enterprise 2021 LTSC[1,2] FreeDOS SUSE Linux® Enterprise Server 15
Processor family[4]	Intel® Core™ i7 14th generation processorIntel® Core™ i5 14th generation processorIntel® Core™ i3 14th generation processorIntel® Celeron® G Series processor	11th Generation Intel® Core™ i3 processor 11th Generation Intel® Core™ i5 processor
Available Processors[3,4,12,19,20,21]	Intel® Core™ i3-1110G4 with Intel® UHD Graphics (up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores, 4 threads)Intel® Core™ i5-1140G7 with Intel® Iris® Xe Graphics (up to 4.20 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores, 8threads), supports Intel® vPro® Technology	Intel® Core™ i3-1110G4 with Intel® UHD Graphics (up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores, 4 threads)Intel® Core™ i5-1140G7 with Intel® Iris® Xe Graphics (up to 4.20 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores, 8threads), supports Intel® vPro® Technology
Product Color	Ebony black or ceramic white	N/A
Audio	HD audio with Audio Solution Codec ALC3247, single speaker	HD audio with Audio Solution Codec ALC3247, single speaker

Feature	HP Engage Go 10 inch	HP Engage Go 13.5 inch
Wireless technologies	Intel® XMM™ 7360 LTE-Advanced Cat 9; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card, vPro®; Intel® Wi-Fi 6 AX201 (2x2) andBluetooth® 5.2 wireless card, non-vPro®[7,22] Near Field Communication (NFC) module	Intel® Dual Band Wireless-AC 8265 802.11ac (2x2) Wi-Fi® and Bluetooth® 5 combo, vPro®; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2wireless card, non-vPro®[7]
Expansion slots	1 M.2	1 M.2
Ports and connectors	1 nano SIM port; 1 microphone; 2 SuperSpeed USB Type-C® 5Gbps signaling rate	1 nano SIM port; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 microphone
Communications	N/A	N/A
Camera	8 MP camera (rear-facing); 2 MP camera with LED indicator (front-facing)	8 MP camera (rear-facing); 2 MP camera with LED indicator (front-facing)
Software	HP Credential Guard; HP BIOS Config Utility; HP Manageability Integration Kit; HP BIOSphere with Sure Start Gen 7[2,9]	HP Device Guard; HP Credential Guard; HP BIOS Config Utility; HP Manageability Integration Kit
Security managment	Credential Guard and password protection; Trusted Platform Module TPM 2.0 Embedded Security Chip; HP Smart Dock; HP EngageOne Keyed Cable Lock from Connectivity Base; HP Client Security Manager; HP Multi-Factor Authenticate; HP Sure Click; HP SureSense; HP Sure Admin; HP MIK (SCCM Integration); HP Image Assistant; HP BIOSphere with SureStart Gen 7; HP Sure Run Gen 4;Tile™ Application; HP Device Guard; HP Sure Recover Gen 4	Credential Guard and password protection; Trusted Platform Module TPM 2.0 Embedded Security Chip; HP Smart Dock; HP EngageOne Keyed Cable Lock from Connectivity Base; HP Client Security Manager; HP Multi-Factor Authenticate; HP Sure Click; HP SureSense; HP Sure Admin; HP MIK (SCCM Integration); HP Image Assistant; HP vPro Support; HP Sure Run Gen 4; Tile™ Application; HPDevice Guard; HP BIOSphere with SureStart Gen 6; HP Blackbox NFC
Security Software Licenses	HP Wolf Pro Security Edition (select models)[56]	N/A
Fingerprint reader	Fingerprint reader (select models)	N/A
Power	65 W USB Type-C® adapter	65 W USB Type-C® adapter
Batery type	HP Long Life 2-cell, 38 Wh Li-ion polymer[23]	HP Long Life 3-cell, 42 Wh Li-ion polymer (with HP Fast Charge support)
Batery Life	Up to 9 hours[13]	Up to 10 hours[13]
Dimensions	9.43 x 6.92 x 0.4 in (flat option); 9.43 x 6.92 x 0.88 in (bump option); 11.18 x 6.37 x 10.78 in (tablet plus dock)23.95 x 17.6 x 1 cm (flat option);23.95 x 17.6 x 2.24 cm (bump option); 28.4 x 16.2 x 27.4 cm (tablet plus dock)	11.81 x 8.72 x 0.5 in30 x 22.16 x 1.27 cm
Weight	1.6 lb (tablet only); 5.47 lbs (HP Engage Go Dock): 0.7 kg (tablet only); 2.48 kg (HP Engage Go Dock) (Weight will vary by configuration.)	2.3 lb1.04 kg; (Weight will vary by configuration.)
Ecolabels	EPEAT Gold with Climate+[10]	EPEAT Gold with Climate+[10]
Energy star certified	N/A	ENERGY STAR® certified
Sustainable impact specifictions	Low Halogen[11]	Low Halogen[11]
Barcode reader	Newland CEM60D-HP	Newland CEM60D-HP

HP Engage Go 10 inch

Messaging Footnotes

[1] Accessories sold separately.

[2] Starting at weight. Weight will vary with configuration.

[3] HP Wolf Security for Business requires Windows 10, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.

[4] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro & Win 10 IoT Enterprise 2019 LTSC.

[5] 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 dependingon application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[6] For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for the system recovery software.

[7] Windows 10 MM18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity ofthe battery will naturally decrease with time and usage. See www.bapco.com for additional details.

[8] Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return tonormal. Charging time may vary +/-10% due to System tolerance.

[9] MIL-STD-810H 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.

[10] 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. HP Engage Go 10 Mobile System is IP54 rated. Ifunit has optional payment device IP rating goes down to IP40.

[11] 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. Select third party wipes can besafely used to clean the HP Engage Go 10 up to 10,000 wipes: See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper.https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW

[12] 5% ocean bound plastics in speaker enclosure. 50% of the plastics in the product are made from recycled plastics. 100% of the Aluminum in the product is recyclable.

[13] Optional feature sold separately or as an add-on feature.

[14] The Moby/5500M for HP Engage Go 10 is available for United States only and excludes integrated battery. No payment, integrated payment and payment ready available. Non-Ingenico One Gateways require Ingenico firmwareupdates.

[15] HP Engage Go Tilt Mount, HP Engage Go Fixed Mount and HP Engage Go Height Adjustable Pole sold separately.

[16] Tile™ requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Elite G8 Laptops. Tile application for Windows 10 available for download from the Windows Store. Mobilephone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. HP Tile will functionas long as the PC has battery power.

[17] Up to 6 foot drop protection and IP65 rating; IP65 rating on HP Engage Go 10 Mobile System with case and optional payment is void. Test results are not a guarantee of future performance under these test conditions. Accidentaldamage requires an optional HP Accidental Damage Protection Care Pack.

[18] HP Easy Clean disables computer touchscreen for a set amount of time to allow cleaning all surfaces of the device.

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] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft Device Guard and Credential Guardare not available with Windows 10 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration & Deployment Services.

[3] 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 dependingon application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[4] For full Intel® vPro® functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd partysoftware in order to run. See http://intel.com/vpro

[5] For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system.Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

[6] For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for the system recovery software.

[7] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 aredraft 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 802.11ax WLAN devices. Only available in countries where802.11ax is supported.

[8] Configuration limitations: up to Core i3 processor, 4GB LPDDR4 memory, and 128GB SSD storage.

[9] HP Sure Start Gen7 is available on the HP Engage Go Convertible equipped with 11th generation Intel® processors.

[10] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information

[11] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

[12] 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 configuration. Seewww.intel.com/technology/turboboost for more information.

[13] Battery life not including payment. Windows 10 MM18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power managementsettings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

[14] Android is a trademark of Google LLC.

[15] The memory is soldered down.

[16] Configuration limitations: up to Core i3 processor, 4GB LPDDR4 memory, and 128GB SSD storage.

[17] Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or 7 processors and single channel memory will onlyfunction as UHD graphics.

[18] HP Sure Run, Sure Recover is supported on Win 10 Pro & Win 10 IoT Enterprise 2019 LTSC.

[19] vPro support requires an Intel Core i5 processor.

[20] vPro support also requires a vPro WLAN Card for these products.

[21] vPro enablement is a separate option on some products.

[22] WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions.

[23] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power managementsettings and other factors.

[24] Tile™ requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Elite G8 Laptops. Tile application for Windows 10 available for download from the Windows Store. Mobilephone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. HP Tile will functionas long as the PC has battery power.

[25] Actual brightness will be lower with touch screen.

[26] 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 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 .

[56] HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf ProSecurity Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as thatEULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effectiveupon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition fromHP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support."

HP Engage Go 13.5 inch

Messaging Footnotes

[1] NFC is included. Hardware supports Payment Module or Magnetic Stripe Reader, not both. Payment module is available in the US only and can be integrated at the time of hardware purchase or can be purchasedseparately. MSR is an optional feature available in select countries and requires the HP Engage Go 13.5" to be configured at purchase with payment enabled mechanical ID. Barcode scanner and fingerprint readerare optional features that must be configured at hardware purchase. Case is an optional accessory included in select configurations or sold separately.

[2] 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 includedsecurity features.

[3] HP Smart Dock software requires Windows OS.

[4] Optional features sold separately.

[5] 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 willvary 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] For storage drives, GB = 1 billion bytes. Actual Formatted capacity is less. Up to 36GB is reserved and is not user accessible.

[7] Windows MobileMark 18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. Themaximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

[8] Intel® 5G module is optional and must be configured at the factory. Only available in the United States. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal TerrestrialRadio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased servicecontract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors.Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

[9] 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.

[10] MIL-STD-810H 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 testconditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[11] 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. HP Engage Go 13.5" is IP54 rated. Ifunit has optional payment device IP rating goes down to IP40. † Testing disclaimer: Select third party wipes can be safely used to clean the HP Engage Go 13.5 up to 10,000 wipes: See wipe manufacturer's instructionsfor disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper. https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW .

[12] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

[13] 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 willvary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[14] Windows MobileMark 18 Battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. Themaximum capacity of the battery will naturally decrease with time and usage. See https://bapco.com/products/mobilemark-2014/ for additional details.

[19] Case is an optional accessory available with select HP Engage Go 13.5” skus and available sold separately.
[20] HP Sure Start Gen 6 is available on select HP PCs and requires Windows 10 or 11 Pro or higher.
[21] HP Sure Run is available on select HP PCs and requires Windows 10 or 11 Pro or higher.
[22] Testing disclaimer: Select third party wipes can be safely used to clean the HP Engage Go 13.5 up to 10,000 wipes: See wipe manufacturer’s instructions for disinfecting and the HP cleaning guide for HP tested wipesolutions at How to Sanitize Your HP Device Whitepaper. https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW .
[23] 5% ocean bound plastics in speaker enclosure by weight.
[24] HP Engage Go 13.5" recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. 15% of the plastics in the HP Engage Go 13.5" contain recycled plastics.
[25] Recycled metal in the HP Engage Go 13.5" is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

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 Windowsfunctionality. Windows 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] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft Device Guard andCredential Guard are not available with Windows 10 Pro or Windows 11 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration &Deployment Services.
[3] 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 willvary 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] Some functionality of this technology, such as Intel® Active Management Technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances"applications for Intel vPro technology is dependent on 3rd party software providers.
[5] For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bitoperating system. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
[6] For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for the system recovery software.
[7] Wireless access point and internet service required. Availability of public wireless access points is limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the finalspecifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
[9] HP Sure Start Gen6 is available on the HP Engage Go 13.5" Convertible equipped with 11th generation Intel® processors.
[10] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[11] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[12] 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 configuration. Seewww.intel.com/technology/turboboost for more information.
[13] Windows MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximumcapacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
[14] The memory is soldered down.
[15] HP Sure Sense currently available as an HP Softpack. HP Sure Sense will also be included in the image starting February 17, 2020.
[16] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.
[17] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro or higher, Win 10 IoT Enterprise 2019 LTSC; but not on Win 10 IoT Enterprise 2016 LTSB.
[18] vPRO support requires either an Intel Core i5 or Core i7 processor.
[19] vPRO support also requires a vPRO WLAN Card for these products.
[20] vPRO enablement is a separate option on some products.
[21] Accessories sold seperately.
[23] HP Sure Admin requires Windows 10 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 theAndroid or Apple store.
[24] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[25] HP BIOSphere Gen6 features may vary depending on the platform and configuration.
[26] HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
[27] HP Sure Start Gen6 is available on select HP PCs and requires Windows 10 and higher.

2. Modular solutions

Feature	HP Engage Flex Mini G2	HP Engage Flex Pro G2	HP Engage Flex Pro-C G2
Available Operating Systems	Windows 11 Pro Windows 11 IoT Enterprise 2024 LTSC FreeDOS	Intel® Dual Band Wireless-AC 8265 802.11ac (2x2) Wi-Fi® and Bluetooth® 5 combo, vPro®; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2wireless card, non-vPro®[7]	Intel® Dual Band Wireless-AC 8265 802.11ac (2x2) Wi-Fi® and Bluetooth® 5 combo, vPro®; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2wireless card, non-vPro®[7]
Processors family	Intel® Core™ Ultra 9 processor Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor	Intel® Pentium® processorIntel® Celeron® processor13th Generation Intel® Core™ i9 processor13th Generation Intel® Core™ i7 processor13th Generation Intel® Core™ i5 processor13th Generation Intel® Core™ i3 processor	Intel® Pentium® processorIntel® Celeron® processor13th Generation Intel® Core™ i9 processor13th Generation Intel® Core™ i7 processor13th Generation Intel® Core™ i5 processor13th Generation Intel® Core™ i3 processor
Available Processors[8]	N/A	Intel® Celeron® G6900E with Intel® UHD Graphics 710 (3.0 GHz P-core base frequency, 4 MB L3 cache, 2 P-cores, 2 threads)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™ i3-13100E with Intel® UHD Graphics 730 (3.3 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads) Intel® Core™ i3-13100TE with Intel® UHD Graphics 730 (2.4 GHz P-core base frequency, up to 4.1 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4P-cores, 8 threads) Intel® Core™ i5-13500E with Intel® UHD Graphics 730 (1.5 GHz E-core base frequency, 2.4 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbofrequency, up to 4.6 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® TechnologyIntel® Core™ i5-13500TE with Intel® UHD Graphics 730 (1.1 GHz E-core base frequency, 1.3 GHz P-core base frequency, up to 3.1 GHz E-core Max Turbofrequency, up to 4.5 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™ i7-13700E with Intel® UHD Graphics 770 (1.3 GHz E-core base frequency,	Intel® Celeron® G6900E with Intel® UHD Graphics 710 (3.0 GHz P-core base frequency, 4 MB L3 cache, 2 P-cores, 2 threads)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™ i3-13100E with Intel® UHD Graphics 730 (3.3 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache,4 P-cores, 8 threads)Intel® Core™ i3-13100TE with Intel® UHD Graphics 730 (2.4 GHz P-core base frequency, up to 4.1 GHz P-core Max Turbo frequency, 12 MB L3 cache,4 P-cores, 8 threads)Intel® Core™ i5-13500E with Intel® UHD Graphics 730 (1.5 GHz E-core base frequency, 2.4 GHz P-core base frequency, up to 3.3 GHz E-core MaxTurbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro®TechnologyIntel® Core™ i5-13500TE with Intel® UHD Graphics 730 (1.1 GHz E-core base frequency, 1.3 GHz P-core base frequency, up to 3.1 GHz E-core MaxTurbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads),

Feature	HP Engage Flex Mini G2	HP Engage Flex Pro G2	HP Engage Flex Pro-C G2
Available Processors[8]	N/A	1.9 GHz P-core base frequency, up to 3.9 GHz E-core Max Turbofrequency, up to 5.1 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® TechnologyIntel® Core™ i9-13900E with Intel® UHD Graphics 770 (1.3 GHz E-core base frequency, 1.8 GHz P-core base frequency, up to 4.0 GHz E-core Max Turbofrequency, up to 5.5.2 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads), supports Intel® vPro®TechnologyIntel® Pentium® Gold G7400E with Intel® UHD Graphics 710 (3.6 GHz P-core base frequency, 6 MB L3 cache, 2 P-cores, 4 threads)	supports Intel® vPro®TechnologyIntel® Core™ i7-13700E with Intel® UHD Graphics 770 (1.3 GHz E-core base frequency, 1.9 GHz P-core base frequency, up to 3.9 GHz E-core MaxTurbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro®TechnologyIntel® Core™ i9-13900E with Intel® UHD Graphics 770 (1.3 GHz E-core base frequency, 1.8 GHz P-core base frequency, up to 4.0 GHz E-core MaxTurbo frequency, up to 5.5.2 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads), supports Intel® vPro®TechnologyIntel® Pentium® Gold G7400E with Intel® UHD Graphics 710 (3.6 GHz P-core base frequency, 6 MB L3 cache, 2 P-cores, 4 threads)
Chipset	N/A	Intel® Q670	Intel® Q670
Form Factor	Mini	Small form factor	Small form factor
Maximum memory	64 GB DDR5-5600 MT/s Transfer rates up to 5600 MT/s.	128 GB DDR5-4800 SDRAM[6] Transfer rates up to 4800 MT/s.	128 GB DDR5-4800 SDRAM[6] Transfer rates up to 4800 MT/s.
Memory slots	2 SODIMM	4 DIMM	4 DIMM
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD 256 GB PCIe® NVMe™ Opal 2 M.2 SSD 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD	1 TB up to 12 TB 7200 rpm SATA[7] 256 GB up to 512 GB M.2 SSD SED Opal 2[7] 256 GB up to 4 TB M.2 SSD[7]	Up to 1 TB 7200 rpm SATA[7] 256 GB up to 512 GB M.2 SSD SED Opal 2[7] 256 GB up to 4 TB M.2 SSD[7]
Optical drive	N/A	Slim SATA DVD-ROM; Slim SATA DVD-Writer	N/A
Storage acceleration[29]	N/A	N/A	N/A
Available Graphics	Integrated: (Integrated graphics will depend on processor.)	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770; Intel® UHD Graphics 710 Discrete: NVIDIA RTX™A2000 (12 GB GDDR6 dedicated); NVIDIA® T1000 (8 GB GDDR6 dedicated)	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770; Intel® UHD Graphics 710 Discrete: NVIDIA RTX™A2000 (12 GB GDDR6 dedicated); NVIDIA® T1000 (8 GB GDDR6 dedicated)
Audio	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 2 M.2 2280 (1 M.2 slot for WLAN and 2 M.2 2280 slots for storage.)	2 full-height PCIe (x1); 1 half-height PCIe x16 (x4); 1 half-height PCIe x16 (x16)	2 full-height PCIe (x1); 1 half-height PCIe x16 (x4); 1 half-height PCIe x16 (x16)
Ports and Connectors	Front: 1 USB Type-C® 20Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 1 headphone/ microphone combo ; Rear: 2 USB Type-A 10Gbps signaling rate; 1 HDMI 2.1; 2 DisplayPort™ 2.1 HBR3; Thunderbolt™ 4.0 with Alt Mode DisplayPort™ and 100W Power intake; 1 RJ-45; 1 external antenna connector Flex IO port 1 – choose one of the following options: 1 DisplayPort™ 2.1, 1 HDMI 2.1, 1 VGA, 1 serial, 2.5 Gbps NIC; 1Gbps Fiber NIC, Dual USB Type A Superspeed USB 5Gbps signaling rate, Dual USB Type C 20 Gbps; Flex IO port 2 – choose one of the following options: 2 USB Type-A 5Gbps signaling rate, serial, or Video Port Extender	Rear: 1 USB Type-A 5Gbps signaling rate (charging); 2 USB Type-A 5Gbps signaling rate (charging); 2 USB 2.0 Type-A; 1 DisplayPort™ 1.4; 1 RJ-45; 1headset connector; 2 configurable video ports[11] Front: 2 USB Type-A 5Gbps signaling rate[11] ;(Additional optional ports include up to 6 RS-232 (5/12V), up to 6 12V USB, 1 24V USB, 1 RJ-12 cash drawer.)	Rear: 1 USB Type-A 5Gbps signaling rate (charging); 2 USB Type-A 5Gbps signaling rate (charging); 2 USB 2.0 Type-A; 1 DisplayPort™ 1.4; 1 RJ-45; 1headset connector; 2 configurable video ports[11] Front: 2 USB Type-A 5Gbps signaling rate[11] (Additional optional ports include up to 6 RS-232 (5/12V), up to 6 12V USB, 1 24V USB, 1 RJ-12 cash drawer)
Input devices	HP Wired Desktop 320K Keyboard; HP 125 USB Black Wired Keyboard; HP 125 Antimicrobial Wired Keyboard; HP 125 Wired Mouse; HP Wired 320M Mouse	N/A	N/A
Communications[7,8]	LAN: Intel® I219LM GbE ; WLAN: Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ ax (2x2) and Bluetooth® 5.3 wireless card; 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®	LAN: Intel® I219-LM GbE[12] WLAN: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Realtek Wi-Fi6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card[8]	LAN: Intel® I219-LM GbE WLAN: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card
Drive Bays	N/A	One 5.25” Two 3.5”; Two M.2	Two 2.5”; Two M.2

Feature	HP Engage Flex Mini G2	HP Engage Flex Pro G2	HP Engage Flex Pro-C G2
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH	Operating temperature: 0 to 40°C; Operating humidity: 20 to 85% RH	Operating temperature: 0 to 40°C; Operating humidity: 20 to 85% RH
Software[9]	Buy Microsoft Office (sold separately); HP Connection Optimizer; HP Desktop Support Utilities; HP Documentation; HP Hotkey support; HP Notifications; HP UEFI BIOS Certification level 2.7B; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan; HP Setup Integrated OOBE; HP Smart Support; HP Support Assistant; myHP with Multicamera support; HSA Fusion for Commercial; HSA Telemetry for Commercial; HP Noise Cancellation Software; Edge Customization; HP Notifications; HP PC Hardware Diagnostics UEFI	HP PC Hardware Diagnostics UEFI; HP Privacy Settings; HP PC Hardware Diagnostics Windows; MyHP; HP QuickDrop; HP Easy Clean; TouchpointCustomizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial[9,12]	HP PC Hardware Diagnostics UEFI; HP Privacy Settings; HP PC Hardware Diagnostics Windows; MyHP; HP QuickDrop; HP Easy Clean;Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial[9,12]
Security Management [13,14,15,16,17,18,19,20,,21]	HP Sure Admin; HP Sure Click; HP Sure Run; HP Sure Recover; HP Sure Start; HP Tamper Lock; Secured-Core PC Enable; Absolute Persistence Module; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere; HP Secure Erase; HP DriveLock and Automatic DriveLock; Support for chassis padlocks and cable lock devices	Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP BIOSphere; RAIDconfigurations; Support for chassis padlocks and cable lock devices; Solenoid lock and hood sensor; Parallel enable/disable (via BIOS); Front USBenable/disable (via BIOS); HP Sure Sense; HP Secure Erase; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP MIK (SCCM Integration); HPImage Assistant; HP vPRO Support; Device Guard Enablement; Self Encrypting Drives; HP Client Security Manager Gen7; HP Tamper Lock; HP SureRun Gen5; HP Sure Admin Gen2; HP Sure Start Gen7; Intel® Active Management Technology (Intel® AMT); HP Sure Recover Gen5 (via network)	Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP BIOSphere; RAIDconfigurations; Support for chassis padlocks and cable lock devices; Solenoid lock and hood sensor; Parallel enable/disable (via BIOS); FrontUSB enable/disable (via BIOS); HP Sure Sense; HP Secure Erase; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP MIK (SCCMIntegration); HP Image Assistant; HP vPRO Support; Device Guard Enablement; Self Encrypting Drives; HP Client Security Manager Gen7; HPTamper Lock; HP Sure Run Gen5; HP Sure Admin Gen2; HP Sure Start Gen7; Intel® Active Management Technology (Intel® AMT); HP Sure RecoverGen5 (via network)
Security Software Licenses	HP Wolf Pro Security Edition	HP Wolf Pro Security Edition[32]	HP Wolf Pro Security Edition[32]
Management features	HP Client Catalog (download); HP Client Management Script Library (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download); HP Image Assistant (download); HP Manageability Integration Kit (download); HP Patch Assistant (download)	HP Driver Packs (download); HP Image Assistant; HP Manageability Integration Kit Gen4 (download)[13]	HP Driver Packs (download); HP Image Assistant; HP Manageability Integration Kit Gen4 (download)[13]
Power	N/A	250 W internal power adapter, up to 90% efficiency, active PFC	250 W internal power adapter, up to 90% efficiency, active PFC
Dimensions	19.61 x 9.25 x 5.20 in 49.8 x 23.5 x 13.2 cm (Package)	13.27 x 14.96 x 3.94 in33.7 x 38.0 x 10 cm;	11.81 x 11.89 x 3.94 in30 x 30.2 x 10 cm;
Weight	N/A	Starting at 14.2 lbStarting at 6.44 kg (Exact weight depends on configuration.)	Starting at 8.8 lb; Starting at 3.99 kg; (Exact weight depends on configuration.)
Escalabels	EPEAT® Gold with Climate+	EPEAT Gold with Climate+[24]	EPEAT Gold with Climate+[24]
Energy star certified	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Certifiction and compliance	N/A	IEC 60601-1-2	IEC 60601-1-2
Energy efficiency complice [22]	N/A	N/A	N/A
Sustainable impact specifications[23]	Low halogen	Low Halogen[25]	Low Halogen[25]

HP Engage Flex Mini G2

Messaging Footnotes

[1] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU NPU inferencing performance varies by use, configuration, and other factors.

[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] For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content.

[4] MIL-STD-810H 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.

[5] 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.

[6] 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.

[7] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[8] 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.

[9] 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.

[10] 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.

Specifications 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] Features and software that require a NPU may require may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

[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 vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro.

[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.

HP Engage Flex Pro G2

Messaging Footnotes

[1] HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictionsand limitations apply. For details, visit www.hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase.Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warrantyprovided with your HP Product.

[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 clockfrequency 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] Addressing memory above 4 GB requires a 64-bit operating system. Actual data rate is determined by the system's configured processor. See processor specifications for supported memorydatarate. All memory slots are customer accessible / upgradeable.

[4] HP Sure Start Gen7 is available on the HP Engage Flex Pro equipped with 13th generation Intel® processors.

[5] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.

[6] 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 ofWindows 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 .

[7] Optional features that must be configured at purchase or are sold separately.

[8] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[9] Sold separately or as configurable add-on 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 ofWindows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time forupdates. See http://www.windows.com .

[2] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft DeviceGuard and Credential Guard are not available with Windows 10 Pro or Windows 11 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are availablethrough HP Configuration & Deployment Services.

[3] 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 clockfrequency 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] Some functionality of this technology, such as Intel® Active Management Technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future"virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers.

[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 systemconfiguration. See www.intel.com/technology/turboboost for more information.

[6] Addressing memory above 4 GB requires a 64-bit operating system. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory datarate. All memory slots are customer accessible / upgradeable.

[7] For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software.

[8] Wireless access point and internet service required. Availability of public wireless access points is limited. The specifications for the 802.11ax WLAN are draft specifications and are not final. If thefinal specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices.

[9] HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

[11] (2) USB 3.2 Gen 1 Type A (5 Gb/s signaling data rate. Actual throughput may vary).

[12] HP Quick Drop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HPQuickDrop app, and / or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.

[13] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .

[15] HP BIOSphere Gen4 Requires Intel® 8th Gen processors. Features may vary depending on the platform and configurations.

[16] HP Client Security Suite Gen 4 Requires Windows and Intel® 8th generation processors.

[17] HP Sure Admin requires Windows 10 or higher. HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphoneapp from the Android or Apple store.

[18] HP Sure Start Gen7 is available on the HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors and requires Windows 10 or higher.

[19] Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requiresadditional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro .

[20] For full Intel® vPro® functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionalityrequires additional 3rd party software in order to run. See http://intel.com/vpro .

[21] vPRO support requires either an Intel Core i5 or Core i7 processor.

[22] vPRO support also requires a vPRO WLAN Card for these products.

[23] vPRO enablement is a separate option on some products.

[24] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.
[25] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[26] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details .
[27] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.
[28] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro or higher, Win 10 IoT Enterprise 2019 LTSC, or Win 10 IoT Enterprise 2021 LTSC; but not on Win 10 IoT Enterprise 2016LTSB.
[29] RAID configuration Is optional and does require a second hard drive or solid state drive.
[30] HP Sure Run Is available on HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors.
[31] The Engage Flex Pro G2 can support a single graphics card up to 75W.
[32] HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-yearlicense. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at:https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modi ed by the following: “7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA,the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month licenseterm (“Initial Term”). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continueusing the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.

HP Engage Flex Pro-C G2

Messaging Footnotes

[1] HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictionsand limitations apply. For details, visit www.hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase.Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warrantyprovided with your HP Product.
[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 clockfrequency 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] Addressing memory above 4 GB requires a 64-bit operating system. Actual data rate is determined by the system's configured processor. See processor specifications for supported memorydatarate. All memory slots are customer accessible / upgradeable.
[4] HP Sure Start Gen7 is available on the HP Engage Flex Pro equipped with 13th generation Intel® processors.
[5] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[6] 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 ofWindows 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 .
[7] Optional features that must be configured at purchase or are sold separately.
[8] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[9] Sold separately or as configurable add-on 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 ofWindows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time forupdates. See http://www.windows.com .
[2] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft DeviceGuard and Credential Guard are not available with Windows 10 Pro or Windows 11 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are availablethrough HP Configuration & Deployment Services.
[3] 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 clockfrequency 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] Some functionality of this technology, such as Intel® Active Management Technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future"virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers.
[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 systemconfiguration. See www.intel.com/technology/turboboost for more information.
[6] Addressing memory above 4 GB requires a 64-bit operating system. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory datarate. All memory slots are customer accessible / upgradeable.
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[8] Wireless access point and internet service required. Availability of public wireless access points is limited. The specifications for the 802.11ax WLAN are draft specifications and are not final. If thefinal specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices.
[9] HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.
[11] (2) USB 3.2 Gen 1 Type A (5 Gb/s signaling data rate. Actual throughput may vary).
[12] HP Quick Drop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HPQuickDrop app, and / or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.
[13] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[15] HP BIOSphere Requires Intel® 13th Gen processors. Features may vary depending on the platform and configurations.
[16] HP Client Security Manager Gen 7 Requires Windows and Intel® 13th generation processors.
[17] HP Sure Admin requires Windows 10 or higher. HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphoneapp from the Android or Apple store.
[18] HP Sure Start Gen7 is available on the HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors and requires Windows 10 or higher.
[19] Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requiresadditional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro .
[20] For full Intel® vPro® functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionalityrequires additional 3rd party software in order to run. See http://intel.com/vpro .
[21] vPRO support requires either an Intel Core i5 or Core i7 processor.
[22] vPRO support also requires a vPRO WLAN Card for these products.
[23] vPRO enablement is a separate option on some products.
[24] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.
[25] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[26] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[27] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.
[28] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro or higher, Win 10 IoT Enterprise 2019 LTSC, or Win 10 IoT Enterprise 2021 LTSC; but not on Win 10 IoT Enterprise 2016LTSB.
[29] RAID configuration Is optional and does require a second hard drive or solid state drive.
[30] HP Sure Run Is available on HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors.
[31] The Engage Flex Pro G2 can support a single graphics card up to 75W.
[32] HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-yearlicense. The
[33] HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at:https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: “7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA,the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month licenseterm (“Initial Term”). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continueusing the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.

Learn more at www.hp.com/engageforindustries

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registered trademarks of Google LLC. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. NVIDIA and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. All other trademarks are the property of their respective owners.

4AA7-9993ENW, July 2025