HP Engage Flex Pro G2 Retail System

Power to Drive Your Business

Drive business operations with a stable, secure, high-performance platform that also offers outstanding flexibility. Suitable for a wide range of deployments that span POS, digital signage, video surveillance, processing/controlling, OEM and more.

Connect. Configure. Customize

With multiple connectivity, graphics, and networking options, plus the ability to accommodate a range of peripherals, this powerful platform can be configured for almost any environment and use case. You can also declutter & optimize tight spaces since this machine and a display can be powered with just one cord and power outlet.

Built to Perform. Designed to Last

Get high level, long-term performance from quality components like Intel® 13th Generation processors[2], up to 128GB DDR5 RAM[3], and multiple OS and port options. Plan ahead with a five-year lifecycle that lets you roll out on your schedule and extend protection with optional 5 years parts/service support.[1]

Built-in Security and Manageability

Spend more time focusing on your business, not on technology. Enjoy automatic firmware intrusion detection and repair from day one with HP Sure Start Gen 7[4] and reduce the cost and complexity of managing your platform remotely with the HP Manageability Integration Kit.[5]



*Product image may differ from actual product

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Featuring

Familiar, trusted operating system(s)
Stick with an OS you know with your choice of Windows 11 Pro[6], Windows IoT or FreeDOS.

Intel® Core™ Processors
Run multiple applications simultaneously with 13th Gen Intel® Core™ processors.[2]

Customize your ports
Customize your solution to your needs with your choice of HDMI, VGA, DisplayPort (Graphics outputs), Serial ports, USB-A (powered and non-powered) and USB-C.[7]

Designed for your daily demands
Minimize downtime with a design that goes the distance. It passes HP's Total Test Process[8] and has a steel chassis and gold-plated connectors that are tested to withstand temperatures up to 40° C. Extend lifespan with an optional dust filter.[9]

5 year life-cycle
Plan ahead with a five-year lifecycle that lets you roll out on your schedule and extend protection with optional 5 years parts/service support.[1]

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 10 IoT Enterprise 2021 LTSC[1,2] FreeDOS
Processor family[4]	Intel® Pentium® processor Intel® Celeron® processor 13th Generation Intel® Core™ i9 processor 13th Generation Intel® Core™ i7 processor 13th Generation Intel® Core™ i5 processor 13th Generation Intel® Core™ i3 processor
Available Processors[3,4,5]	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 Max Turbo 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® Technology Intel® 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 Turbo frequency, 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, 1.9 GHz P-core base frequency, up to 3.9 GHz E-core Max Turbo 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® Technology Intel® 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 Turbo 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® Technology Intel® 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	Intel® Q670
Form factor	Small form factor
Maximum memory	128 GB DDR5-4800 SDRAM; [6] Transfer rates up to 4800 MT/s.
Memory slots	4 DIMM
Internal storage	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 2 TB M.2 SSD[7]
Optical drive	Slim SATA DVD-ROM; Slim SATA DVD-Writer
Available Graphics	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
Wireless technologies	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
Expansion slots	2 full-height PCIe (x1); 1 half-height PCIe x16 (x4); 1 half-height PCIe x16 (x16)
Ports and connectors	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; 1 headset 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.)
Communications	LAN: Intel® I219-LM GbE [12]
Drive Bays	One 5.25" Two 3.5"; Two M.2
Environmental	Operating temperature: 0 to 40°C; Operating humidity: 20 to 85% RH
Software	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	Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP BIOSphere; RAID configurations; Support for chassis padlocks and cable lock devices; Solenoid lock and hood sensor; Parallel enable/disable (via BIOS); Front USB enable/disable (via BIOS); HP Sure Sense; HP Secure Erase; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP MIK (SCCM Integration); HP Image Assistant; HP vPRO Support; Device Guard Enablement; Self Encrypting Drives; HP Client Security Manager Gen7; HP Tamper Lock; HP Sure Run Gen5; HP Sure Admin Gen2; HP Sure Start Gen7; Intel® Active Management Technology (Intel® AMT); HP Sure Recover Gen5 (via network)
Security Software Licenses	HP Wolf Pro Security Edition[32]

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Management features	HP Driver Packs (download); HP Image Assistant; HP Manageability Integration Kit Gen4 (download)[13]
Power	250 W internal power adapter, up to 90% efficiency, active PFC
Dimensions	13.27 x 14.96 x 3.94 in; 33.7 x 38.0 x 10 cm
Weight	Starting at 14.2 lb; Starting at 6.44 kg; (Exact weight depends on configuration.)
Ecolabels	EPEAT Gold with Climate+[24]
Energy star certified	ENERGY STAR® certified
Certification and compliance	IEC 60601-1-2
Sustainable impact specifications	Low Halogen[25]

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Footnotes

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. Restrictions and 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 Warranty provided 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 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] Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i(5 or 7)+ processor.
[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 of Windows functionality. Windows 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[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 of Windows 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 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 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 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 system configuration. 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 data rate. 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 the final 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 HP QuickDrop 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 smartphone app 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 requires additional 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 functionality requires 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 2016 LTSB.
[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-year license. 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 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 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 from HP.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.

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February 2024