

HP Engage Flex Mini G2 Retail System (C8BW8UT)



An operations powerhouse that fits anywhere.

From hotel check-ins to store check-outs, back-office operations to digital customer experiences, the HP Engage Flex Mini G2 is built to power your business. Get big performance in an incredibly compact device and endless configuration options to tailor your system for your specific needs.

Power in a compact size

This mighty, AI-enhanced powerhouse delivers incredible performance[1] without taking up valuable space. Unlock new levels of power efficiency and seamless operations with up to an Intel® Core™ Ultra 9 processor[2], 64GB memory, and 4TB PCIe NVMe storage[3].

Endlessly configurable

Design a system for your unique business operations. The Engage Flex Mini G2 is configurable across storage, memory, processor, OS and ports. Customize further with the Engage Advanced Fanless Hub and connect your peripherals with just one cable.

Built to last, with industry leading security.

Deploy with confidence over extended roll-outs with a system designed to pass rigorous military-standard testing[4] and a 5-year lifecycle. HP Wolf Security for Business creates a hardware-enforced, always-on defense to protect from modern threats[5].

Specifications

Form factor	Mini
Operating system	Windows 11 IoT Enterprise 2024 LTSC
Processor family	Intel® Core™ Ultra 5 processor
Processor	Intel® Core™ Ultra 5 235T (up to 5.0 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 14 threads) [6,7]
Processor technology	Intel® vPro® Technology
Memory	16 GB DDR5-5600 MT/s (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Graphics	Integrated
Graphics (integrated)	Intel® Graphics
Audio	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Dimensions (W x D x H)	17.7 x 18.1 x 3.4 cm
Dimensions (W x D x H)	6.97 x 7.13 x 1.34 in
Weight	1.42 kg (Exact weight depends on configuration.)
Weight	3.13 lb (Exact weight depends on configuration.)
Ports	1 USB Type-C® 20Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo ^[8,9,10]
Expansion slots	1 M.2 2230; 2 M.2 2280 (1 M.2 slot for WLAN and 2 M.2 2280 slots for storage.)
Ports	2 USB Type-A 10Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 external antenna connector; 2 DisplayPort™ 2.1; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (100W USB Power Delivery, DisplayPort™ 2.1)
Package dimensions (W x D x H)	49.8 x 23.5 x 13.2 cm
Package weight	2.95 kg
Network interface	Intel® I219-LM GbE
Wireless	Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®
Power	120 W external power adapter, up to 88% efficiency, active PFC
Ecolabels	ENERGY STAR® certified
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen
Software included	HP Noise Cancellation Software
UPC number	199642372443

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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.

Technical Specifications Footnotes

[6] 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[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.

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