HP Engage Flex Mini Retail System (54L60UT)

An operations powerhouse that fits anywhere

Drive every facet of your business—from back-office operations to digital customer engagements, to point-of-sale—with the HP Engage Flex Mini. It packs big performance into an incredibly compact device and provides near endless configuration options, so you get a system tailored for your needs.

Petite yet powerful
This mighty powerhouse delivers across your business without taking up valuable space—featuring an Intel® Core™ processor[2] and ample memory and storage for fast, seamless operations.

Endlessly configurable
Design a system for your unique business operations with abundant options across storage, memory, and processor. Further customize with two configurable I/O ports to attach accessories and displays, and a choice of Windows 10 Pro or Windows 10 IoT.[4]

Industry leading security and reliability
Business interruptions are not an option. That's why the HP Engage Flex Mini was designed to pass rigorous military standard testing[5] and has security features built-in—protecting from the BIOS to the browser, above and below the OS.

Specifications

Form factor	Mini
Operating system	Windows 10 Pro (available through downgrade rights from Windows 11 Pro) *(Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)*
Processor family	10th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-10500T (2.3 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)[6,7]
Chipset	Intel® Q470
Memory	8 GB DDR4-2666 MHz RAM (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Internal drive bays	One 2.5"
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Audio	Realtek ALC3205 codec, internal speaker, combo microphone/headphone jack
Minimum dimensions (W x D x H)	17.7 x 17.5 x 3.4 cm
Minimum dimensions (W x D x H)	6.97 x 6.89 x 1.34 in
Weight	1.25 kg *(Exact weight depends on configuration.)*
Weight	2.75 lb *(Exact weight depends on configuration.)*
Keyboard	HP USB wired keyboard
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate
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	1 RJ-45; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate
Ports	1 HDMI 2.0
Package dimensions (W x D x H)	49.8 x 23.5 x 13.2 cm
Package weight	3.40 kg
Power	65 W external power adapter, up to 89% efficiency
Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download)[10,11,12]
Sustainable impact specifications	Low Halogen
Security management	Setup password (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip; DriveLock; HP Power On Authentication; SATA port disablement (via BIOS); Support for chassis padlocks and cable lock devices; HP Sure Sense; HP Sure Click; HP Secure Erase; HP Sure Recover Gen3; HP Sure Run Gen3; HP Client Security Manager Gen6; HP BIOsphere Gen6; HP Sure Start Gen6; HP DriveLock and Automatic DriveLock; HP Cloud Recovery; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 4; HP Image Assistant Gen5[13,14,15,16,17,18,19,20,21]
Software included	HP Support Assistant; HP Jumpstart; HP Noise Cancellation Software; HP Desktop Support Utilities; Buy Office (sold separately)[9]
UPC number	196337054752

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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Messaging Footnotes

[2] Optional, configurable feature that must be configured at purchase.

[4] 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.

[5] MIL-STD-810G 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.

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.

[9] HP Support Assistant: Requires Windows and Internet access.

[10] HP Driver Packs: Not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.

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

[12] HP Cloud Recovery is available for HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/document/c05115630.

[13] HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.

[14] Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88. "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

[15] HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[16] HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.

[17] HP Sure Start Gen6 is available on select HP PCs.

[18] HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

[19] HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.

[20] HP Sure Sense requires Windows 10.

[21] HP Storage Drivelock does not work with Self Encrypting or Optane™ based storage.