

# HP Engage Flex Mini Retail System (B3VP3UA)



## 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

<b>Form factor</b>	Mini
<b>Chipset</b>	Intel® Q470
<b>Memory Slots</b>	2 SODIMM
<b>Internal drive bays</b>	One 2.5"
<b>Audio</b>	Realtek ALC3205 codec, internal speaker, combo microphone/headphone jack
<b>Minimum dimensions (W x D x H)</b>	17.7 x 17.5 x 3.4 cm
<b>Minimum dimensions (W x D x H)</b>	6.97 x 6.89 x 1.34 in
<b>Weight</b>	1.25 kg <i>(Exact weight depends on configuration.)</i>
<b>Weight</b>	2.75 lb <i>(Exact weight depends on configuration.)</i>
<b>Ports</b>	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
<b>Expansion slots</b>	1 M.2 2230; 2 M.2 2280 <i>(1 M.2 slot for WLAN and 2 M.2 2280 slots for storage.)</i>
<b>Ports</b>	1 RJ-45; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate
<b>Package dimensions (W x D x H)</b>	49.8 x 23.5 x 13.2 cm
<b>Package weight</b>	3.40 kg
<b>Power</b>	65 W external power adapter, up to 89% efficiency; 280 W external power adapter, up to 89% efficiency; 90 W external power adapter, up to 89% efficiency, active PFC
<b>Management features</b>	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download) <sup>[10,11,12]</sup>
<b>Sustainable impact specifications</b>	Low Halogen
<b>Security management</b>	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 <sup>[13,14,15,16,17,18,19,20,21]</sup>
<b>Software included</b>	HP Support Assistant; HP Jumpstart; HP Noise Cancellation Software; HP Desktop Support Utilities; Buy Office (sold separately) <sup>[9]</sup>
<b>UPC number</b>	198828689405

## Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

## 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

[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](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.

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