



HP ENGAGE ONE PRO AIO SYSTEM

Ultra sleek and fast for exceptional experiences

Every detail crafted with intention

Fast performance for ultra smooth interaction

Deploy it your way

Durability you need. Security you can trust



Designed to have maximum versatility and reliability

HP Engage One Pro blends superb performance and sleek design in a flexible and durable point-of-sale system

- Aluminum Chassis. Steel frames, plates, & stand
- Black & white⁽¹⁾; Landscape or portrait⁽²⁾, 3 i/o connectivity hubs, or combined for even more i/o connections⁽³⁾
- Performance stand, Pro stand, Vertical stand
- Clean counter, counter mount, pole mount, or wall mount⁽⁴⁾
- Test to Mil-STD 810G⁽⁵⁾, IP44, 120K hours HP Total Test Process⁽⁶⁾
- 5 yrs. product Life Cycle & 10 years service life
- Designed and tested to withstand frequent sanitization with germicidal towelette⁽⁷⁾
- IEC 60601-1-2 (EMC standard for medical electrical equipment and medical electrical systems) Compliance



Operate with peace of mind.

Security features from HP work together to create an always-on, always-acting, resilient defense. From above, in, and below the OS, these constantly evolving solutions help protect your PC from threats.

- HP BIOS Gen6
- HP Client Security Manager Gen7⁽⁸⁾
- HP Sure Admin⁽⁹⁾
- HP Sure Recover Gen3⁽¹⁰⁾
- HP Sure run Gen3⁽¹¹⁾
- HP Sure Sense⁽¹²⁾
- HP Sure Start Gen6⁽¹³⁾

3 i/o Connectivity Choices



Integrated into the column stand



Mount on the wall hub



Advance fanless hub

3 Column stands Choices



Performance



Pro



Vertical

Superb Performance for Smooth Interactions

With up to 10th Gen Intel Core™ i9 processors⁽¹⁴⁾

RECOMMENDED ACCESSORIES



Embed Magnetic Stripe Reader



Embed Barcode Scanner



Embed Fingerprint reader



Touch customer Display in 6.6\", 10\", 14\", 16\"



Receipt Printer



Fingerprint Reader



Bar Code Scanner

HP ENGAGE ONE PRO AIO SYSTEM

Available Operating Systems	Windows 10 Pro 64-bit ¹ Windows 10 IoT Enterprise 2019 LTSC 64 ¹ Windows 10 IoT Enterprise 2016 LTSB 64 ¹ FreeDOS 2.0 SUSE Linux® Enterprise Desktop 12 (certification only)
Processor family ³	10th Generation Intel® Core™ i9 processor; 10th Generation Intel® Core™ i7 processor; 10th Generation Intel® Core™ i5 processor; 10th Generation Intel® Core™ i3 processor; Intel® Pentium® processor; Intel® Celeron® processor
Available Processors ^{2,3,7}	Intel® Celeron® G5900E with Intel® UHD Graphics 610 (3.4 GHz base frequency, 2 MB L3 cache, 2 cores) Intel® Core™ i3-10100E with Intel® UHD Graphics 630 (3.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores) Intel® Core™ i5-10500E with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores) Intel® Core™ i7-10700E with Intel® UHD Graphics 630 (2.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores) Intel® Core™ i9-10900E with Intel® UHD Graphics 630 (2.8 GHz base frequency, up to 5.2 GHz with Intel® Turbo Boost Technology, 20 MB L3 cache, 10 cores) Intel® Pentium® Gold G6400E with Intel® UHD Graphics 610 (4.0 GHz base frequency, 4 MB L3 cache, 2 cores)
Chipset	Intel® Q470E
Maximum memory	64 GB DDR4-2666 SDRAM ⁴ Transfer rates up to 2666 MT/s.
Memory slots	2 SODIMM
Internal storage	128 GB up to 1 TB PCIe® NVMe™ SSD ⁵ 128 GB up to 1 TB PCIe® NVMe™ SSD ⁵ 256 GB up to 512 GB PCIe® NVMe™ SSD ⁵
Storage acceleration	16 GB Intel® Optane™ memory H10
Display ¹⁵	15.6" diagonal, FHD (1920 x 1080), touch, IPS, UWVA, anti-glare, 400 nits, 45% NTSC 19.5" diagonal, FHD (1920 x 1080), touch, VA, UWVA, anti-glare, 450 nits, 72% NTSC 23.8" diagonal, FHD (1920 x 1080), touch, IPS, UWVA, anti-glare, 625 nits, 72% NTSC
Available Graphics	Integrated: Intel® UHD Graphics 610; Intel® UHD Graphics 630
Audio	Integrated HD audio with Realtek ALC3247 codec with standards internal speakers and stereo headphone jack, 2W
Expansion slots	1 M.2 2230 ⁶
Ports and Connectors	Display head: 1 audio-out; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 RJ-45 USB NIC; 1 140W data port ²¹ Side: 1 Security lock slot ¹⁴
Optional Ports	Choose one of the following connectivity hubs: Advance hub: [1 cash drawer connector; 3 USB 2.0 Type-A; 2 power serial, 4 SuperSpeed USB Type-A 10Gbps signaling rate, 1 RJ-45 USB NIC, 1 DC connector, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (27 W Power Delivery, Alt Mode DisplayPort™), 1 140W data port]. Column hub: [3 SuperSpeed USB Type-A 10Gbps signaling rate, 1 RJ-45 USB NIC, 1 DC connector, 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (27 W Power Delivery, Alt Mode DisplayPort™), 1 140W data port]. Vesa hub: [3 SuperSpeed USB Type-A 10Gbps signaling rate, 1 RJ-45 USB NIC, 1 DC connector, 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (27 W Power Delivery, Alt Mode DisplayPort™), 1 140W data port]. Combination of Advance hub with Column hub; Combination of Advance hub with VESA hub. ^{21,22}
LAN ¹⁴ Network Interface ¹⁴	Intel® I219-LM GbE, vPro® Realtek RTL8153AH GbE
WLAN ¹⁵	Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi® and Bluetooth® M.2 combo card, non-vPro® Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi® and Bluetooth® M.2 combo card, vPro®
Drive Bays	Two M.2
Environmental	Operating temperature: 10 to 40°C; Operating humidity: 20 to 85% RH
Software ⁹	HP Credential Guard; HP Device Guard; HP Support Assistant; HP BIOSphere with Sure Start Generation 6.0
Security management ^{9,12,17,18,19,20}	HP Sure Run; HP Sure Recover; HP Sure Sense; HP Sure Click; HP Sure Click (Standard); Self Encrypting Drives; HP BIOSphere with SureStart Gen6; K-Lock; HP Engage One Pro Biometric Fingerprint Reader (optional integrated); HP BIOS: Secure Erased & Device Guard Enablement
Management features	Intel® vPro® with AMT 11.0; TPM 2.0; HP System Software Manager; HP Image Assistant; HP Client Security Manager
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)
Dimensions	15.6 x 1 x 9.5 in (head Landscape); 15.6 x 1 x 9.5 in (head portrait); 19.5 x 1.2 x 11.5 in (head Landscape); 19.5 x 1.2 x 11.5 in (head Portrait); 23.8 x 1.2 x 13.4 in (head Landscape); 23.8 x 1.2 x 13.4 in (head Portrait); 0.6 x 0.4 x 0.6 in (performance and pro stand); 39.76 x 2.64 x 24.1 cm (head landscape); 39.76 x 2.64 x 24.1 cm (head portrait); 49.48 x 2.94 x 29.26 cm (head landscape); 49.48 x 2.94 x 29.26 cm (head portrait); 60.50 x 2.94 x 33.99 cm (head landscape); 60.50 x 2.94 x 33.99 cm (head portrait); 15.2 x 1.0 x 15.2 cm (performance and pro stand) (Stand only.)
Weight	0.1 lb (performance and pro stand); 7.4 lb (15.6" display models); 12.6 lb (19.5" display models); 15 lb (23.8" display models); .06 kg (performance and pro stand); 3.37 kg (15.6" display models); 5.70 kg (19.5" display models); 6.8 kg (23.8" display models)
Sustainable impact specifications ¹¹	Low halogen



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FOOTNOTES

¹ White is only available in 15.6"

² Landscape or Portrait-Configurable

³ Combined Fanless & Column hub or Fanless & VESA wall mount hub

⁴ Mounting hardware sold separately

⁵ MIL-STD-810G testing is pending. 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.

⁶ 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.

⁷ 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. No. 46781-8), Clorox Healthcare® Bleach Germicidal Wipes (EPA Reg. No. 67619-12), Windex® Electronic Wipes and PDI Easy Screen® Cleaning Wipe.

⁸ HP Client Security Manager- HP Client Security Manager Gen7 requires Windows and is available on the select HP PCs.

⁹ HP Sure Admin requires Windows 10, 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.

¹⁰ HP Sure Recover Gen3 is available on select HP PCs and requires Windows 10 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.

¹¹ HP Sure Run Gen3 is available on select Windows 10 Pro or Enterprise based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.

¹² HP Sure Sense requires Windows 10 Pro or Enterprise.

¹³ HP Sure Start Gen6 is available on select HP PCs and requires Windows 10.

¹⁴ 10th Gen Intel® Processors are an optional feature that must be configured at purchase. Multicore is designed to improve performance of certain software products

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 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 is not a measurement of higher performance.

³ Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.

⁴ 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.

⁵ 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.

⁶ 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.

⁷ Intel® HD Graphics 610: integrated on Celeron™ G3965U; Intel® HD Graphics 620: integrated on 7th gen Core™ i7/i5/i3 processors.

⁸ HP BIOSphere with Sure Start available only on business PCs with HP BIOS.

⁹ HP BIOSphere Gen 6 requires Intel® 10th generation processors.

¹⁰ 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.

¹¹ Device Guard is only available with Windows 10 IoT 64 Enterprise LTSB for Retail. Device Guard is not available with Windows 10 Pro.

¹⁴ LAN - in Retail I/O Connectivity Base.

¹⁵ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft 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 devices.

¹⁶ HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processor.

¹⁷ vPRO support requires either an Intel Core i5 or Core i7 processor. 18 vPRO support also requires a vPRO WLAN Card for these products. 19 vPRO enablement is a separate option on some products.

²⁰ 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™.

²¹ HP 140W port only compatible with the 140W cable included with the product. Cable required for the HP Engage One Pro to operate.

²² Minimum one connectivity hub is required

²³ For further details please refer to Quick Specs document.

