ProductSheet
# HP EliteOne 840 G9 All-in-One PC (B56B6UA)

## Be there even when you're not

The HP EliteOne 840 AiO empowers your team to be at their best with experiences that delight users and IT. Featuring a new sleek design, the latest Intel® processor[2], and packed with a new set of premium collaboration tools, it's ready for all your demanding projects and virtual conferences.



**HP Auto Frame[5]**
Bring your meetings to life powered by premium audio and video features.[4]

**Powerful Intel® processor[2]**
Multitask with ease thanks the latest Intel® processor[2], massive storage, and agile DDR5 memory.

**Protected by HP Wolf Security**
HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[6]

### Featuring

**Windows 11**
Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

**HP Sure Sense**
Malware is evolving rapidly beyond traditional antivirus capabilities. Protect your PC against never-before-seen attacks with HP Sure Sense, which combines behavioral analysis with advanced AI techniques to provide exceptional protection.

**Fast and efficient wireless LAN**
The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6. [3]

**Protect critical security processes**
Keep your critical applications and processes running even if malware tries to shut them down with the self-healing protection of HP Sure Run.

**Quick and secure recovery to the latest image**
Users can quickly and securely restore their machines to the latest image and IT can schedule reimaging for the entire fleet using only a network connection with optional HP Sure Recover. [8]

## Specifications

| | |
|---|---|
| **Form factor** | All-in-one |
| **Operating system** | Windows 11 Pro |
| **Processor family** | 12th Generation Intel® Core™ i7 processor |
| **Processor** | Intel® Core™ i7-12700 (up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads)[6,7] |
| **Processor technology** | Intel® vPro® Technology |
| **Chipset** | Intel® Q670 (vPro®)[3] |
| **Memory** | 32 GB DDR5-4800 MT/s (2 x 16 GB) |
| **Memory Slots** | 2 SODIMM |
| **Internal Storage** | 1 TB PCIe® Gen4 NVMe™ TLC M.2 SSD |
| **Graphics** | Integrated |
| **Graphics (integrated)** | Intel® UHD Graphics 770 |
| **Display** | 60.5 cm (23.8") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 72% NTSC |
| **Display** | 23.8" diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 72% NTSC |
| **Audio** | Audio by Bang & Olufsen, 5 W stereo speakers, headset and headphone side ports (3.5 mm), high performance integrated stereo speakers |
| **Minimum dimensions (W x D x H)** | 53.96 x 23.8 x 55.81 cm<br>*(System dimensions may fluctuate due to configuration and manufacturing variances.)* |
| **Minimum dimensions (W x D x H)** | 21.14 x 9.37 x 21.97 in<br>*(System dimensions may fluctuate due to configuration and manufacturing variances.)* |
| **Weight** | 9.26 kg<br>*(Exact weight depends on configuration.)* |
| **Weight** | 20.42 lb<br>*(Exact weight depends on configuration.)* |
| **Camera** | HP camera[11] |
| **Ports** | 1 headphone/microphone combo |
| **Expansion slots** | 1 M.2 2230; 3 M.2 2280<br>*(1 M.2 2230 slot for WLAN and Bluetooth® combo. 3 M.2 2280 for NVMe SSD for storage one attached to CPU PCIe Gen 4.0 and two attached to PCH PCIe Gen 3.0)* |
| **Ports** | 1 USB Type-C® 20Gbps signaling rate (charging); 1 USB Type-A 10Gbps signaling rate |
| **Ports** | 1 USB Type-C® 10Gbps signaling rate (DisplayPort™ 1.4); 2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 1 HDMI-in 1.4; 1 dual-mode DisplayPort™ 1.4; 1 RJ-45 |
| **Package dimensions (W x D x H)** | 62.8 x 18.6 x 67.5 cm |
| **Package weight** | 12.5 kg |
| **Network interface type** | WLAN |
| **Wireless** | Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) |
| **Power** | 240 W internal power supply, up to 92% efficiency, active PFC |
| **Ecolabels** | TCO Certified Edge |
| **Energy star certified** | ENERGY STAR® certified |
| **Management features** | HP Client Catalog (download); HP Driver Packs (download); HP Image Assistant (download); HP Client Management Script Library (download); HP Connect for Microsoft Endpoint Manager; HP Manageability Integration Kit (download); HP Patch Assistant (download); HP CECP Enabled Configuration[12,13,14] |
| **Sustainable impact specifications** | Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; 30% ITE-derived closed loop plastic; Low Halogen; 80 Plus® Platinum power supplies available |
| **Security management** | Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified); HP Sure Start; HP Secure Erase; HP Sure Click; HP Sure Sense; Absolute Persistence module; HP Sure Admin; HP BIOSphere Gen6; HP Client Security Manager Gen7; HP Tamper Lock; HP Sure Run Gen6; HP Sure Recover Gen6; HP Plarform Certificate; Seamless Firmware Update Service; Secured-COre PC Disable; Windows Hello Enhanced SIgn-in Security (ESS) Enable[19,20,21,22,23,24,25,26,27,28] |
| **Software included** | HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HP Desktop Support Utilities; MyHP; HP QuickDrop; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial[15,16,17] |
| **UPC number** | 198990022703 |

## Top Recommended Displays, Accessories and Services

| | |
|---|---|
| **Series 7 Pro** | |
| HP Series 7 Pro 27 inch QHD Monitor - 727pq | 8J4D8AA |
| **E-Series** | |
| HP E27 G5 FHD Monitor | 6N4E2AA |
| **Speakerphones** | |
| Poly Sync 20+ USB-C Speakerphone | 772D0AA |
| Poly Sync 20 USB-C Speakerphone | 7F0J7AA |
| Poly Sync 10 USB-A USB-C Speakerphone | 772C3AA |
| **Wireless Headset** | |
| Poly Voyager Surround 80 UC USB-C Headset +USB-C/A Adapter | 8G7T9AA |
| Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter | 9T9J3AA |
| **Wired Headset** | |
| Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X231AA |
| **Wireless Combo** | |
| HP 655 Wireless Keyboard and Mouse Combo | 4R009AA |
| **Mounting Brackets** | |
| HP EliteOne G9 VESA Plate | 6H1W8AA |
| HP Quick Release Bracket 2 | 6KD15AA |

## Messaging Footnotes

[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, branding and/or naming is not a measurement of higher performance.

[3] 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 PC to communicate with other 802.11ax devices. Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

[4] Requires Windows 11 OS.

[5] Requires myHP application and Windows OS.

[6] 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, Workstation, and RPOS products. See product details for included security features and OS requirements.

[8] Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

## Technical Specifications Footnotes

[3] For full Intel® vPro® functionality, Windows 11 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 .

[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.

[11] Sold separately or as an optional feature.

[12] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

[13] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .

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

[15] myHP requires Windows OS.

[16] HP Quick Drop requires Internet access and Windows 10 or higher 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.

[17] HP Support Assistant requires Windows and Internet access.

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

[20] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

[21] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

[22] HP Sure Recover Gen5 with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.

[23] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

[24] 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.

[25] HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

[26] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[27] HP 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™.

**Learn more at**
**hp.com**

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