



HP EliteOne 840 G9 All-in-One Touchscreen PC (8Q7H3PA)



Overview

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 powered by HP Presence[3], 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 powered HP Presence.[3]

Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[7]

Powerful Intel® processor[2]

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

Features

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 and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.

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.^[4]

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.

Browse confidently

Help protect your PC from websites and read only Microsoft Office and PDF attachments with embedded malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.^[6]

Speed up the basics of IT management

The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.^[8]

[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] HP Presence requires myHP application and Windows OS.

[5] Requires myHP application and Windows OS.

[7] HP Wolf Security for Business requires Windows 10 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.

[4] 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.

[6] HP Sure Click supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

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

Specifications

| | |
|---------------------------------------|---|
| Form factor | All-in-one |
| Operating system | Windows 11 Pro |
| Processor family | 13th Generation Intel® Core™ i5 processor |
| Processor | Intel® Core™ i5-13500 (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads) ^[6,7] |
| Chipset | Intel® Q670 (vPro®) ^[3] |
| Memory | 8 GB DDR5-4800 MHz RAM (1 x 8 GB) |
| Memory Slots | 2 SODIMM |
| Internal Storage | 256 GB PCIe® NVMe™ M.2 SSD |
| Graphics | Integrated |
| Graphics (integrated) | Intel® UHD Graphics 770 |
| Display | 60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, Low Blue Light, 250 nits, 72% NTSC |
| Display | 23.8" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, Low Blue Light, 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 <i>(System dimensions may fluctuate due to configuration and manufacturing variances.)</i> |
| Minimum dimensions (W x D x H) | 21.14 x 9.37 x 21.97 in <i>(System dimensions may fluctuate due to configuration and manufacturing variances.)</i> |
| Weight | 9.26 kg <i>(Exact weight depends on configuration.)</i> |
| Weight | 20.42 lb <i>(Exact weight depends on configuration.)</i> |
| Keyboard | HP Wired Desktop 320K Keyboard |
| Pointing device | HP Wired Desktop 320M mouse |
| Camera | 5 MP Swivel IR camera for face authentication with Windows Hello with integrated dual array digital microphones and Color Light Sensor ^[11] |
| Ports | 1 headphone/microphone combo |
| Expansion slots | 1 M.2 2230; 3 M.2 2280 <i>(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)</i> |
| Ports | 1 USB Type-C® 20Gbps signaling rate (charging); 1 USB Type-A 10Gbps signaling rate |

| | |
|--|---|
| Ports | 1 USB Type-C® 10Gbps signaling rate; 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) |
| Ecolabels | TCO Certified |
| 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 Platform 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 | 197498057279 |

Additional specifications

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|--|---|
| Additional storage | 4-in-1 media card reader |
| Available software | HP Smart Support ^[18] |
| Bluetooth version | Bluetooth® 5.3 |
| Camera Infrared | IR |
| Camera microphone | integrated dual array digital microphones |
| Camera resolution | 5 |
| Camera resolution uom | MP |
| Certifications and compliances | TCO 8.0; TUV Low Blue Light; TUV Low Noise |
| Color gamut | 72% NTSC |
| Datasheet photo 1 | AHID/94a6c0742542f9298d9624894fbe146333088d02 |
| Datasheet photo 3 | AHID/e84fc7d412463b31d353a745cb57030053672895 |
| Datasheet photo 4 | AHID/c80ef83dba4862357dfe3b81fc2bb6a90c4b67f7 |
| Datasheet photo 5 | AHID/8efc9e8ce1229e5c5856bd0ba81e7c110f6a89a9 |
| Display | 60.5 cm (23.8") diagonal FHD display |
| Display | 23.8" diagonal FHD display |
| Display brightness | 250 |
| Display brightness uom | nits |
| Display panel technology | IPS |
| Display resolution (pixels) | 1920 x 1080 |
| Display resolution standard | FHD |
| Display size (diagonal) uom | " |
| Display size (diagonal, imperial) | 23.8 |
| Display size (diagonal, metric) | 60.5 |
| Display size (diagonal, metric) uom | cm |
| Display surface treatment | anti-glare |
| Display touchscreen type | touch screen |
| I/O Port location | Rear |
| I/O Port location | Right side |
| I/O Port location | Left side |
| Keyboard connectivity | wired |
| Keyboard interface | USB |
| Legal tagline | HP recommends Windows 11 Pro for business |

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|--|---|
| Memory and storage | 8 GB memory; 256 GB SSD storage |
| Memory layout (slots & size) | 1 x 8 GB |
| Memory module type | SODIMM |
| Memory size | 8 |
| Memory size uom | GB |
| Memory speed | 4800 |
| Memory speed uom | MHz |
| Memory type | DDR5 |
| Number of memory slots | 1 |
| Operating humidity range | 10 to 90% RH |
| Operating temperature range | 10 to 35°C |
| Operating temperature range | 50 to 95°F |
| Package dimensions (W x D x H) | 24.72 x 7.32 x 26.57 in |
| Package weight | 27.56 lb |
| Playbook TS icon OS | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png |
| Playbook TS icon connectivity | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png |
| Playbook TS icon dimensions AiO | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169107.png |
| Playbook TS icon dimensions tower | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png |
| Playbook TS icon display AiO | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c06122537.png |
| Playbook TS icon graphics | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png |
| Playbook TS icon memory | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png |
| Playbook TS icon processor | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png |
| Playbook TS icon storage | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png |
| Playbook TS icon weight imperial | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png |
| Playbook TS icon weight metric | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png |
| Processor Brand | Intel® |
| Processor cache | 24 MB L3 |
| Processor core | 14 |
| Processor family | Core™ i5 |
| Processor frequency technology | Intel® Turbo Boost Technology |
| Processor generation | 13th Generation |
| Processor maximum frequency | 4.8 |
| Processor maximum frequency uom | GHz |

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|--|---|
| Processor model | 13500 |
| Processor threads | 20 |
| Product brand name | HP |
| Product long name specifications | HP EliteOne 840 G9 All-in-One Touchscreen PC, 23.8", touch screen, Windows 11 Pro, Intel® Core™ i5, 8GB RAM, 256GB SSD, FHD |
| Product short name specifications | HP EliteOne 840 G9 All-in-One Touchscreen PC, 23.8", Intel® Core™ i5, 8GB RAM, 256GB SSD |
| Standard memory note | Transfer rates up to 4800 MT/s. |
| Storage capacity | 256 |
| Storage capacity uom 01 | GB |
| Storage form factor 01 | M.2 |
| Storage interface 01 | PCIe® |
| Storage interface protocol 01 | NVMe™ |
| Storage type | SSD |
| Storage type 01 | SSD |
| UNSPSC code | 43211507 |
| Wireless Model | Wi-Fi 6E AX211 |
| Wireless antenna | 2x2 |
| Wireless standard | Wi-Fi 6E |
| Wireless supplier | Intel® |
| Wireless transfer speeds | Supporting Gigabit data rate |
| vPro enabled | vPro® |

[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.

[18] HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>

[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™.

[28] Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: <https://www.absolute.com/about/legal/agreements/absolute/>.

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