HP EliteOne 840 G9 All-in-One Touchscreen PC (8Q7H1PA)

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]

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[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™ i7 processor
Processor	Intel® Core™ i7-13700 (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)[6,7]
Chipset	Intel® Q670 (vPro®)[3]
Memory	16 GB DDR5-5600 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	512 GB PCIe® NVMe™ 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 *(System dimensions may fluctuate due to configuration and manufacturing variances.)*
Weight	9.26 kg *(Exact weight depends on configuration.)*
Keyboard	HP Wired Desktop 320K Keyboard
Pointing device	HP Wired Desktop 320M mouse
Camera	5 MP Swivel IR camera for face authentification 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 *(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; 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 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	197498057255

Additional specifications

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/15b609eca18662a43cf90419f6981e31f7c01f36
Datasheet photo 3	AHID/79b1df66483745b98a74e51596053ffcb6714cba
Datasheet photo 4	AHID/588fc8cbb33f76d522174eb9eb60e0fc4f9b1245
Datasheet photo 5	AHID/8efc9e8ce1229e5c5856bd0ba81e7c110f6a89a9
Display	23.8" diagonal FHD display
Display	60.5 cm (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	Right side
I/O Port location	Rear
I/O Port location	Left side
Keyboard connectivity	wired
Keyboard interface	USB
Legal tagline	HP recommends Windows 11 Pro for business

Memory and storage	16 GB memory; 512 GB SSD storage
Memory layout (slots & size)	1 x 16 GB
Memory module type	SODIMM
Memory size	16
Memory size uom	GB
Memory speed	5600
Memory speed uom	MHz
Memory type	DDR5
Number of memory slots	1
Operating humidity range	10 to 90% RH
Operating temperature range	50 to 95°F
Operating temperature range	10 to 35°C
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	30 MB L3
Processor core	16
Processor family	Core™ i7
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	13th Generation
Processor maximum frequency	5.2
Processor maximum frequency uom	GHz
Processor model	13700
Processor threads	24

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™ i7, 16GB RAM, 512GB SSD, FHD
Product short name specifications	HP EliteOne 840 G9 All-in-One Touchscreen PC, 23.8", Intel® Core™ i7, 16GB RAM, 512GB SSD
Standard memory note	Transfer rates up to 5600 MT/s.
Storage capacity	512
Storage capacity uom 01	GB
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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