

HP Elite 800 G9 - SFF Core i7 12700 2.1 GHz - 16 GB - SSD 512 GB - UK(5L2A0EA#ABU)

HP Elite 800 G9 - SFF Core i7 12700 / up to 4.9 GHz - RAM 16 GB - SSD 512 GB - NVMe - UHD Graphics 770 - Gigabit Ethernet - Win 11 Pro - monitor: none - keyboard: UK - jack black



The HP Elite 800 G9 is designed for performance and reliable functionality. Equipped with an Intel Core i7 processor and supported by DDR5 SDRAM technology, this personal computer ensures smooth multitasking and efficient execution of applications. The inclusion of NVM Express (NVMe) hard drive delivers quick data access and enhanced storage capabilities, making it a valuable asset for any workspace. Networking is made effortless with support for Ethernet, Fast Ethernet, and Gigabit Ethernet protocols. Whether managing devices remotely with SNMP 2 or utilizing Wake on LAN (WoL) features, the HP Elite 800 G9 stands ready to meet modern connectivity needs. Additionally, the embedded Trusted Platform Module (TPM 2.0) security chip provides essential protection against data breaches.

Key Selling Points

- Intel Core i7 processor for efficient performance
- DDR5 SDRAM technology for enhanced multitasking
- NVM Express (NVMe) hard drive for quick data access
- Multiple networking protocols for versatile connectivity
- Trusted Platform Module (TPM 2.0) for data security

Product Features

- Robust processing capabilities**
Equipped with an Intel Core i7 processor, the HP Elite 800 G9 enhances productivity by handling demanding tasks efficiently.
- Fast data access**
Featuring an NVM Express (NVMe) hard drive, this model significantly reduces data retrieval times, contributing to overall system speed.
- Secure connectivity options**
The multiple data link protocols, including Gigabit Ethernet, ensure reliable and fast networking capabilities for varied operational requirements.
- Enhanced security features**
The Trusted Platform Module (TPM 2.0) security chip safeguards sensitive data, offering an added layer of protection against potential threats.
- Efficient memory performance**
With DDR5 SDRAM technology, this computer supports larger memory capacity and improved speed, enhancing overall user experience.

Main Specifications

Product Description	HP Elite 800 G9 - SFF Core i7 12700 2.1 GHz - 16 GB - SSD 512 GB - UK
Type	Personal computer - SFF
Localisation	Language: English / region: United Kingdom
Processor	Intel Core i7 (12th Gen) 12700 / 2.1 GHz (up to 4.9 GHz, (12-core)
Processor Main Features	Intel Turbo Boost Technology 2, Hyper-Threading Technology, Intel Turbo Boost Max 3.0, Intel Smart Cache, 20 Threads
Cache Memory	25 MB L3 Cache
Cache Per Processor	25 MB
RAM	16 GB (installed) / 128 GB (max) - DDR5 SDRAM
Storage Controller	SATA/NVMe (SATA-600 / NVMe)
Hard Drive	SSD 512 GB - PCI Express - NVM Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	Intel UHD Graphics 770 Dynamic Video Memory Technology

Audio Output	Stereo
Networking	1GbE
Keyboard	UK
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Software Included	HP Support Assistant, HP PC Hardware Diagnostics UEFI, Microsoft 365 (Trial), HP Secure Erase, HP Setup Integrated OOB, HP Notifications, HP Connection Optimizer, HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP Sure Admin, HP QuickDrop, HP BIOSphere Gen6, HP DriveLock, myHP, HP Desktop Support Utilities, HP Client Security Manager Gen7, HP Sure Start, HP Touchpoint Customizer, HP Easy Clean, HP Connect for Microsoft Endpoint Manager, HP SureRun Gen5, HP Sure Recover Gen5, HP Wolf Security for Business
Colour	Jack black
Dimensions (WxDxH)	33.8 cm x 30.8 cm x 10 cm
Weight	5.4 kg
Environmental Standards	ENERGY STAR Qualified
Carbon Footprint	220 kg carbon emissions
Manufacturer Warranty	Limited warranty - parts and labour - 1 year - on-site

Extended Specification

General

Type	Personal computer
Product Form Factor	SFF
Built-in Devices	Speaker
Sensors	HP Tamper Lock
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Jack black
Localisation	Language: English / region: United Kingdom

Expansion / Connectivity

Bays	2 (total) / 2 (free) x internal 3.5" 1 (total) / 1 (free) x external 5.25" Slim Line
Slots	1 (total) / 1 (free) x M.2 Card - 2230 (for WLAN) 2 M.2 Card - 2280 (for SSD) 2 (total) / 2 (free) x PCIe 3.0 x1 1 (total) / 1 (free) x PCIe 3.0 x16 (x4 mode) 1 (total) / 1 (free) x PCIe 4.0 x16
Interfaces	3 x USB 2.0 3 x USB 3.2 Gen 1 (one of them is fast-charging) 4 x USB 3.2 Gen 2 (4 in front) 1 x USB-C 3.2 Gen 2x2 2 x DisplayPort 1.4a 1 x HDMI 1 x headphones/microphone (1 in front) (CTIA and OMTP headset support) 1 x audio line-out/line-in (1 rear) 1 x LAN (Gigabit Ethernet)

Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 1 year - on-site
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RAM

Installed Size	16 GB (installed) / 128 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	4800 MT/s
Rated Memory Speed	4800 MT/s
Form Factor	DIMM 288-pin
Slots	4 (Total) / 3 (empty)
Features	Unbuffered
Configuration Features	1 x 16 GB

Networking

Ethernet Controller	Intel I219-LM
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	SNMP 2
Features	ACPI support, PXE 2.1 support, Wake on LAN (WoL)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3i, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3az

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), chassis intrusion sensor, padlock loop
Security Slot Type	Kensington security slot
Compliant Standards	FCC Class B certified, ICES-003, CCC, FIPS 140-2 Level 2, RoHS, UL 60950-1, CSA C22.2 No. 60950-1-07, WEEE, KCC Class B, Common Criteria EAL4+, CECP, VCCI Class B, SEPA, low halogen, UL 62368-1, CAN/CSA-C22.2 No. 62368-1-14, IEEE 1680.1

Power

Device Type	Power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Factor Correction	Yes (active)

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% RH (non-condensing)

Storage Controller

Type	1 x SATA/NVMe
Controller Interface Type	SATA-600 / NVMe
Channel Qty	4

Cache Memory

Installed Size	L3 Cache - 25 MB
Cache Per Processor	25 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Windows 11 Pro English
Software	HP Support Assistant, HP PC Hardware Diagnostics UEFI, Microsoft 365 (Trial), HP Secure Erase, HP Setup Integrated OOB, HP Notifications, HP Connection Optimizer, HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP Sure Admin, HP QuickDrop, HP BIOSphere Gen6, HP DriveLock, myHP, HP Desktop Support Utilities, HP Client Security Manager Gen7, HP Sure Start, HP Touchpoint Customizer, HP Easy Clean, HP Connect for Microsoft Endpoint Manager, HP SureRun Gen5, HP Sure Recover Gen5, HP Wolf Security for Business

Monitor

Monitor Type	None.
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Graphics Controller	
Graphics Processor	Intel UHD Graphics 770 Dynamic Video Memory Technology
Video Interfaces	DisplayPort, HDMI
HDCP Compatible	Yes
Audio Output	
Sound Output Mode	Stereo
Max Sampling Rate	192 kHz
Compliant Standards	High Definition Audio
Hard Drive	
Type	SSD
Capacity	1 x 512 GB
Interface Type	PCI Express
Features	NVM Express (NVMe)
Input Device	
Type	Keyboard, mouse
Dimensions & Weight	
Width	33.8 cm
Depth	30.8 cm
Height	10 cm
Weight	5.4 kg
Dimensions & Weight (Shipping)	
Shipping Width	39.9 cm
Shipping Depth	49.9 cm
Shipping Height	23 cm
Shipping Weight	7.92 kg
Keyboard	
Keyboard Name	HP 320K
Localization & Layout	UK
Mouse	
Mouse Name	HP 128
Technology	Laser
Processor / Chipset	
CPU	Intel Core i7 (12th Gen) 12700
Clock Speed	2.1 GHz
Max Turbo Speed	4.9 GHz
Number of Cores	12-core
CPU Qty	1
Max CPU Qty	1
L2 cache	12 MB
CPU Upgradability	Upgradable
Processor Main Features	Intel Turbo Boost Technology 2, Hyper-Threading Technology, Intel Turbo Boost Max 3.0, Intel Smart Cache, 20 Threads
Chipset Type	Intel Q670

Sustainability Information

ENERGY STAR Certified	Yes
Carbon Footprint	220 kg carbon emissions
Manufacturing (kg CO2e)	171
Logistics (kg CO2e)	2
Use (kg CO2e)	47
EOL (kg CO2e)	2
Total Carbon w/o Use Phase (kg CO2e)	173

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