HP EliteDesk 8 G1i AI(998T0ET#ABU)

HP EliteDesk 8 G1i AI - Mini desktop Core Ultra 5 235T / up to 5 GHz - vPro Enterprise - RAM 16 GB - SSD 512 GB - NVMe - Intel Graphics - IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7), Bluetooth 5.4, Gigabit Ethernet - Win 11 Pro - monitor: none - keyboard: UK - jack black - Smart Buy

The HP EliteDesk 8 G1i AI is designed to deliver performance and security for business environments. Powered by the Intel Core Ultra 5 processor, it ensures efficient processing capabilities that can handle demanding tasks with ease. Featuring NVM Express (NVMe) technology, the system enables fast data access and improved storage performance, making it an ideal choice for professionals looking to enhance productivity.

Equipped with HP Tamper Lock sensors, the HP EliteDesk 8 ensures that your system remains secure against unauthorized access, providing peace of mind in sensitive environments. The inclusion of USB 3.2 Gen 2 ports enhances connectivity, allowing for rapid data transfer and seamless device integration. This combination of efficiency, security, and connectivity highlights the HP EliteDesk 8 as a reliable solution for business needs.

Key Selling Points

Powered by the Intel Core Ultra 5 processor
Features NVM Express (NVMe) for fast data access
Includes HP Tamper Lock for enhanced security
Offers USB 3.2 Gen 2 ports for rapid data transfer

Product Features

Efficient processing
The Intel Core Ultra 5 processor provides robust performance to tackle demanding workloads efficiently, ensuring smooth multitasking and quick application response.

Improved storage performance
With NVM Express (NVMe) technology, experience faster data read and write speeds, enhancing overall system responsiveness and performance.

Enhanced security
HP Tamper Lock sensors protect your device from unauthorized access, ensuring that sensitive information remains secure in professional environments.

Seamless connectivity
USB 3.2 Gen 2 ports enable rapid data transfer and connection to a variety of peripherals, enhancing the overall functionality of the system.

Main Specifications

Product Description	HP EliteDesk 8 G1i AI - mini desktop Core Ultra 5 235T 2.2 GHz - vPro Enterprise - 16 GB - SSD 512 GB - UK
Type	Personal computer - mini desktop
Platform Technology	Intel vPro Enterprise
Localisation	Language: English / region: United Kingdom
Processor	Intel Core Ultra 5 (Series 2) 235T / 2.2 GHz (up to 5 GHz, (14-core)
Processor Main Features	Intel Turbo Boost Technology
Neural Processor Unit (NPU)	Intel AI Boost - up to 13 TOPS
Cache Memory	24 MB L3 Cache
Cache Per Processor	24 MB
RAM	16 GB (installed) / 64 GB (max) - DDR5 SDRAM
Storage Controller	SATA/NVMe (SATA 6Gb/s / PCIe 4.0 x4 (NVMe))
Hard Drive	SSD 512 GB - PCI Express - M.2 - NVM Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	Intel Graphics Dynamic Video Memory Technology - up to 6 TOPS

Audio Output	Stereo
Networking	802.11a, Wi-Fi 5, Wi-Fi 6, Wi-Fi 7, 802.11b/g/n, Bluetooth, 1GbE
Keyboard	UK
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Software Included	HP Client Catalogue (free download), HP Client Management Script Library (free download), HP Cloud Recovery, HP Connect for Microsoft Endpoint Manager, HP Driver Packs (free download), HP Image Assistant (free download), HP Manageability Integration Kit (free download), HP Patch Assistant (free download), Audio Permanent Disable, HP BIOS Recovery, HP BIOSphere, HP Secure Erase, HP Sure Admin, HP Sure Click, HP Sure Run, HP Sure Sense, HP Sure Recover, HP Sure Start, HP Support Assistant, HSA Fusion for Commercial, HSA Telemetry for Commercial, myHP, myHP with Multicamera support, Poly Lens, HP Hotkey Support, HP Notifications, HP PC Hardware Diagnostics UEFI, HP PC Hardware Diagnostics Windows, HP Privacy Settings, HP Services Scan, HP Setup Integrated OOBE, HP Smart Support
Colour	Jack black
Dimensions (WxDxH)	17.7 cm x 18.1 cm x 3.42 cm
Weight	1.42 kg
Manufacturer Selling Program	HP Smart Buy
Environmental Standards	ENERGY STAR Qualified EPEAT Gold

Extended Specification

General

Platform Technology	Intel vPro Enterprise
Type	Personal computer
Product Form Factor	Mini desktop
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

Slots	1 (total) / 0 (free) x M.2 Card - 2230 (PCIe 3.0 x1 mode (for wireless module)) ¦ 2 (total) / 1 (free) x M.2 Card - 2280 (PCIe 4.0 x4 mode (for internal storage)) ¦ 1 (total) / 1 (free) x M.2 Card - 2280 (available with expansion kit)
Interfaces	1 x USB-C 3.2 Gen 2x2 (1 front) (charging) ¦ 5 x USB 3.2 Gen 2 - Type A (3 front, 2 rear) (two of them with wake functionality) ¦ 1 x headphones/microphone (1 front) (CTIA and OMTP headset support) ¦ 2 x DisplayPort 2.1 (2 rear) ¦ 1 x HDMI (1 rear) ¦ 1 x LAN (Gigabit Ethernet) - RJ-45 (1 rear) ¦ 1 x Thunderbolt 4 (1 rear) (powered 100W) ¦ 2 x aerial (2 rear)

RAM

Installed Size	16 GB (installed) / 64 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	5600 MT/s
Rated Memory Speed	5600 MT/s
Form Factor	SO-DIMM 262-pin
Slots	2 (Total) / 1 (empty)
Configuration Features	1 x 16 GB

Networking

Interface (Bus) Type	PCI Express Mini Card (M.2)

Ethernet Controller	Intel I219-LM
Wireless LAN Supported	Yes
Wireless NIC	Intel WI-FI 7 BE200
Data Link Protocol	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11b, IEEE 802.11be (Wi-Fi 7), IEEE 802.11g, IEEE 802.11n, Bluetooth 5.4, Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	SNMP 2
Features	Wake on LAN (WoL), ACPI support, auto-uplink (auto MDI/MDI-X), PXE 2.1 support, dual stream (2x2)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3i, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.11b, IEEE 802.11a, IEEE 802.3x, IEEE 802.11d, IEEE 802.11g, IEEE 802.1x, IEEE 802.11i, Wi-Fi CERTIFIED

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), padlock loop, chassis intrusion sensor
Security Slot Type	Kensington security slot
Compliant Standards	Common Criteria EAL4+, low halogen, FIPS 140-2 Level 2
Manufacturer Selling Program	HP Smart Buy

Power

Device Type	Power adapter
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	120 Watt
Efficiency	88% (115VAC), 89% (230VAC)
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 6Gb/s / PCIe 4.0 x4 (NVMe)

Cache Memory

Installed Size	L3 Cache - 24 MB
Cache Per Processor	24 MB

Optical Storage

Type	No optical drive

Operating System / Software

OS Provided	Windows 11 Pro English

Software	HP Client Catalogue (free download), HP Client Management Script Library (free download), HP Cloud Recovery, HP Connect for Microsoft Endpoint Manager, HP Driver Packs (free download), HP Image Assistant (free download), HP Manageability Integration Kit (free download), HP Patch Assistant (free download), Audio Permanent Disable, HP BIOS Recovery, HP BIOSphere, HP Secure Erase, HP Sure Admin, HP Sure Click, HP Sure Run, HP Sure Sense, HP Sure Recover, HP Sure Start, HP Support Assistant, HSA Fusion for Commercial, HSA Telemetry for Commercial, myHP, myHP with Multicamera support, Poly Lens, HP Hotkey Support, HP Notifications, HP PC Hardware Diagnostics UEFI, HP PC Hardware Diagnostics Windows, HP Privacy Settings, HP Services Scan, HP Setup Integrated OOBE, HP Smart Support

Monitor

Monitor Type	None.

Graphics Controller

Graphics Processor	Intel Graphics Dynamic Video Memory Technology - up to 6 TOPS
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 - M.2
Capacity	1 x 512 GB
Interface Type	PCI Express
Features	NVM Express (NVMe)

Input Device

Type	Mouse, keyboard

Dimensions & Weight

Width	17.7 cm
Depth	18.1 cm
Height	3.42 cm
Weight	1.42 kg

Dimensions & Weight (Shipping)

Shipping Width	49.8 cm
Shipping Depth	13.2 cm
Shipping Height	23.5 cm
Shipping Weight	2.95 kg

Keyboard

Keyboard Name	HP 125 v2
Localization & Layout	UK

Mouse

Mouse Name	HP 125

Processor / Chipset

CPU	Intel Core Ultra 5 (Series 2) 235T
Clock Speed	2.2 GHz (P-core) / 1.6 GHz (E-core)
Max Turbo Speed	5 GHz (P-core) / 4.4 GHz (E-core)
Number of Cores	14-core
CPU Qty	1
Max CPU Qty	1
L2 cache	26 MB
CPU Upgradability	Upgradable
Processor Main Features	Intel Turbo Boost Technology
Chipset Type	Intel Q870

Sustainability Information

EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	13 TOPS
Total Processor Performance Up To (TOPS)	27 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	OpenVINO, WindowsML, DirectML, ONNX RT, WebNN
Windows Studio Effects Support	Yes

What's in the box

HP EliteDesk 8 G1i AI
Power adapter