



# HP EliteDesk 8 G1i AI Intel Core Ultra 5 235 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC AI PC Black

**Brand :** HP

**Product family:** EliteDesk 8

**Product code:** A55NXET



**Product name :** EliteDesk 8 G1i AI

- Intel Core™ Ultra 5 235 (up to 5.0 GHz with Intel Turbo Boost Technology, 24 MB L3 cache, 14 cores, 14 threads)
  - Windows 11 Pro
  - Intel Graphics
  - 16 GB DDR5-5600 MT/s (1 x 16 GB), 512 GB PCIe NVMe™ M.2 SSD
- EliteDesk 8 SFF G1i Desktop AI PC, Windows 11 Pro, Intel Core™ Ultra 5, 16GB RAM, 512GB SSD



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## AI-enhanced power and scalability for small workspaces

Exceed demanding expectations with the HP EliteDesk 8 SFF G1i AI PC is the perfect choice for small workspaces. Powered by the latest Intel Core™ Ultra processor<sup>[2]</sup> with a 13 TOPS NPU<sup>[3]</sup>, this secure, scalable, and powerful AI PC tackles your multitasking needs.

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel Core Ultra 5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor model *	235	DisplayPorts quantity	2
Processor cores	14	DisplayPort version	2.1
Processor threads	14	HDMI ports quantity *	1
Processor boost frequency	5 GHz	HDMI version	2.1
Performance cores	6	Ethernet LAN (RJ-45) ports	1
Efficient cores	8	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5 GHz	Line-out	✓
Efficient-core Max Turbo Frequency	4.4 GHz	Line-in	✓
Performance-core base frequency	3.4 GHz	Microphone in	✓
Efficient-core base frequency	2.9 GHz		
Processor cache	24 MB	Expansion slots	
Processor cache type	L3	Number of 3.5" bays	1
Processor base power	65 W	PCI Express x16 (Gen 4.x) slots	1
Maximum turbo power	121 W	Power	
Neural processor unit (NPU)		Power supply *	280 W
Neural processor unit (NPU)	Intel AI Boost	Power supply input voltage	100 - 240 V
Sparsity support	✓	Power supply input frequency	50 - 60 Hz
Windows Studio effects support	✓	Design	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Chassis type *	SFF
Total processor performance up to	27 TOPs	Colour name	Jack black
NPU performance up to	13 TOPs	Product colour *	Black
GPU performance up to	6 TOPs	Intel® vPro™ Platform Eligibility	✓
Memory		Introduction year	2025
Internal memory *	16 GB	Country of origin	Czech Republic
Maximum internal memory *	16 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Pro
Memory layout (slots x size)	1 x 16 GB		
Memory slots	4x DIMM		
Memory clock speed	5600 MHz		

<b>Memory</b>		<b>Processor special features</b>	
Memory module type	UDIMM	Intel® Turbo Boost Technology	✓
<b>Storage</b>		<b>Display</b>	
Total storage capacity *	512 GB	Display included *	✗
Storage media *	SSD	<b>Brand-specific features</b>	
Optical drive type *	✗	HP Artificial Intelligence	AI PC
Number of storage drives installed	1	HP GTIN (EAN/UPC)	199251987120
Total SSDs capacity	512 GB	HP segment	Business
Number of SSDs installed	1	<b>Audio</b>	
SSD capacity	512 GB	Audio chip	Realtek ALC3252
SSD interface	PCI Express	<b>Operational conditions</b>	
NVMe	✓	Operating temperature (T-T)	10 - 35 °C
SSD form factor	M.2	Operating relative humidity (H-H)	10 - 90%
<b>Graphics</b>		<b>Weight &amp; dimensions</b>	
Discrete graphics card *	✗	Width *	303 mm
On-board graphics card *	✓	Depth *	308 mm
Discrete graphics card model *	Not available	Height *	303 mm
On-board GPU manufacturer	Intel	Weight *	4.7 kg
On-board graphics card family	Intel® Graphics	<b>Packaging data</b>	
On-board graphics card model *	Intel® Graphics	Package width	200 mm
<b>Performance</b>		Package depth	499 mm
Market positioning	Premium	Package height	394 mm
Motherboard chipset	Intel® Q870	Package weight	5.92 kg
Password protection	✓	<b>Packaging content</b>	
Password protection type	BIOS, Power on	Keyboard included	✓
Product type *	PC	Numeric keypad	✗
<b>Network</b>		Input device model	HP 125 Wired Mouse
Ethernet LAN *	✓	<b>Sustainability</b>	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability compliance	✓
Cabling technology	10/100/1000Base-T(X)	Sustainability certificates	ENERGY STAR, TCO, TCO10
Wi-Fi *	✓	Sustainable technologies and materials Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and I/O strip; 60% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; 80 Plus Platinum power supplies available; 100% recycled rare earth elements in speaker	
Top Wi-Fi standard	Wi-Fi 7 (802.11be)		
Wi-Fi standards	Wi-Fi 7 (802.11be)		
WLAN controller manufacturer	Intel		
WLAN controller model	Intel Wi-Fi 7 BE200		
Antenna type	2x2	<b>Logistics data</b>	
Bluetooth	✓	Harmonized System (HS) code	8471500000
Bluetooth version	5.4	<b>Supplier features</b>	
<b>Ports &amp; interfaces</b>		Manufacturer warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
USB 2.0 ports quantity *	3	<b>Keyboard</b>	
		Keyboard connectivity	Wired
		<b>Technical details</b>	
		General Product Safety Regulation (GPSR) URL	<a href="https://support.hp.com/us-en/document/ish_6126692-6126777-167openCLC=true">https://support.hp.com/us-en/document/ish_6126692-6126777-167openCLC=true</a>
		<b>Other features</b>	
		UNSPSC-code	43211507



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