



HP EliteBook 8 EB8G1i16 U5 225U 16 16GB/512 PC NX Intel Core Ultra 5 Laptop 40.6 cm (16") WUXGA DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI PC Silver



Brand : HP

Product family: EliteBook 8

Product code: AD3C6ET#UUW

Product name : EB8G1i16 U5
225U 16 16GB/512 PC NX

HP EliteBook 8 EB8G1i16 U5 225U 16 16GB/512 PC NX. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225U. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver. Weight: 1.69 kg

Design		Audio	
Colour name	Glacier silver	Built-in microphone	✓
Product type *	Laptop	Number of microphones	2
Product colour *	Silver	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Premium	Front camera resolution (numeric)	5 MP
Introduction year	2025	Infrared (IR) camera	✓
Original brand name	HP	Network	
Display		Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display diagonal *	40.6 cm (16")	Wi-Fi standards	
Display resolution *	1920 x 1200 pixels	802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	
Touchscreen *	✗	Mobile network connection *	✗
HD type	WUXGA	Antenna type	2x2
Panel type	IPS	WLAN controller model	Intel Wi-Fi 7 BE200
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Bluetooth	✓
Display brightness	300 cd/m²	Bluetooth version	5.4
Display diagonal (metric)	40.6 cm	Ports & interfaces	
RGB colour space	sRGB	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Colour gamut	62.5%	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	HDMI version	2.1
Processor family *	Intel Core Ultra 5	Thunderbolt 4 ports quantity	2
Processor generation	Intel Core Ultra (Series 2)	Combo headphone/mic port	✓
Processor model *	225U	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	12	USB Sleep-and-Charge	✓
Processor threads	14	USB Sleep-and-Charge ports	3
Processor boost frequency	4.8 GHz		
Performance cores	2		
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Performance	
Performance-core Max Turbo Frequency	4.8 GHz	Ambient light sensor	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Temperature sensor	✓
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Hall sensor	✓
Performance-core base frequency	1.5 GHz	Keyboard	
Efficient-core base frequency	1.3 GHz	Pointing device	Clickpad
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✓
Processor cache	12 MB	Keyboard backlit	✓
Processor cache type	L3	Island-style keyboard	✓
Processor base power	15 W	Spill-resistant keyboard	✓
Maximum turbo power	57 W	Full-size keyboard	✓
Neural processor unit (NPU)		Input device model	HP Premium Keyboard
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	Brand-specific features	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	HP speaker type	HP Dual Speakers
Memory		HP Connection Optimizer	✓
Internal memory *	16 GB	HP Support Assistant	✓
Internal memory type	DDR5-SDRAM	HP Artificial Intelligence	AI PC
Memory clock speed	5600 MHz	HP segment	Business
Memory form factor	SO-DIMM	Battery	
Memory layout (slots x size)	1 x 16 GB	Battery technology	Lithium Polymer (LiPo)
Memory slots	2x SO-DIMM	Number of battery cells	3
Memory data transfer rate	5600 MT/s	Battery capacity *	62 Wh
Storage		Fast charging	✓
Total storage capacity *	512 GB	Fast charging time (50%)	30 min
Storage media *	SSD	Power	
Total SSDs capacity	512 GB	AC adapter power	65 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	512 GB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express	USB Type-C charging port *	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Graphics		Cable lock slot	✓
Discrete graphics card model *	Not available	Fingerprint reader	✓
On-board graphics card *	✓	Smart card reader	✓
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM) version	2.0
On-board graphics card family	Intel® Graphics	Password protection	✓
On-board graphics card model *	Intel Arc Graphics	Password protection type	BIOS, Power on, User
Audio		Certificates	
Built-in speaker(s)	✓	Compliance certificates	CE, GS mark, RoHS, VCCI
Number of built-in speakers	2	Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	ENERGY STAR, TCO
		Weight & dimensions	
		Width	359.4 mm
		Depth	251 mm
		Height (front)	1.09 cm
		Height (rear)	1.7 cm
		Weight *	1.69 kg



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