



HP EliteBook 8 EB8G1i16 U5 228V 16 32GB/1T PC NX Copilot+ PC Intel Core Ultra 5 Laptop 40.6 cm (16") WUXGA LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Silver



Brand : HP

Product family: EliteBook 8

Product code: AD3C9ET#UUW

Product name : EB8G1i16 U5
228V 16 32GB/1T PC NX

HP EliteBook 8 EB8G1i16 U5 228V 16 32GB/1T PC NX. Product type: Laptop, Form factor: Clamshell.
Processor family: Intel Core Ultra 5, Processor model: 228V. Display diagonal: 40.6 cm (16"), HD type:
WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type:
LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel
Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver. Weight: 1.77 kg

Design		Audio	
Colour name	Glacier silver	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Silver	Number of microphones	2
Form factor *	Clamshell	Camera	
Market positioning	Premium	Front camera	✓
Introduction year	2025	Front camera resolution (numeric)	5 MP
Original brand name	HP	Infrared (IR) camera	✓
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	1920 x 1200 pixels	Mobile network connection *	✗
Touchscreen *	✗	Antenna type	2x2
HD type	WUXGA	WLAN controller model	Intel Wi-Fi 7 BE201
Panel type	IPS	WLAN controller manufacturer	Intel
LED backlight	✓	Bluetooth	✓
Native aspect ratio	16:10	Bluetooth version	5.4
Anti-glare screen	✓	Ports & interfaces	
Display brightness	400 cd/m²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display diagonal (metric)	40.6 cm	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
RGB colour space	sRGB	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	2
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel Core Ultra 5	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	Intel Core Ultra (Series 2)	USB Sleep-and-Charge	✓
Processor model *	228V	USB Sleep-and-Charge ports	3
Processor cores	8	Performance	
Processor threads	8	Ambient light sensor	✓
Processor boost frequency	4.5 GHz		
Performance cores	4		
Low Power Efficient-cores	4		

Processor		Performance	
Performance-core Max Turbo Frequency	4.5 GHz	Temperature sensor	✓
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Hall sensor	✓
Performance-core base frequency	2.1 GHz	Keyboard	
Low Power Efficient-core Base Frequency	2100 MHz	Pointing device	Clickpad
Processor cache	8 MB	Numeric keypad *	✓
Processor cache type	L3	Keyboard backlit	✓
Processor base power	17 W	Island-style keyboard	✓
Maximum turbo power	37 W	Spill-resistant keyboard	✓
Neural processor unit (NPU)		Full-size keyboard	✓
Copilot+ PC	✓	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, OpenVINO, Windows ML, ONNX RT, WebNN	HP speaker type	HP Dual Speakers
Total processor performance up to	97 TOPs	HP Connection Optimizer	✓
NPU performance up to	40 TOPs	HP Support Assistant	✓
GPU performance up to	53 TOPs	HP segment	Business
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium Polymer (LiPo)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	8
Memory clock speed	8533 MHz	Battery capacity *	77 Wh
Memory form factor	On-board	Fast charging	✓
Memory layout (slots x size)	Not available	Fast charging time (50%)	30 min
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	100 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express	Security	
NVMe	✓	Cable lock slot	✓
Optical drive type *	✗	Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, Power on, User
Discrete graphics card *	✗	Certificates	
On-board graphics card family	Intel Arc Graphics	Compliance certificates	CE, GS mark, RoHS, VCCI
On-board graphics card model *	Intel Arc Graphics	Sustainability	
Audio		Sustainability compliance	✓
Built-in speaker(s)	✓	Sustainability certificates	ENERGY STAR, TCO
		Weight & dimensions	
		Width	359 mm
		Depth	250 mm
		Height (front)	1.15 cm
		Height (rear)	1.55 cm
		Weight *	1.77 kg



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