



HP EliteBook 6 EB6G1i16 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 6

Product code: AD3A9ET#UUW

Product name : EB6G1i16 U5
225U 16 16GB/512 PC NX

HP EliteBook 6 EB6G1i16 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® Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver. Weight: 1.75 kg



Design		Graphics	
Colour name	Pike silver	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✗
Product colour *	Silver	On-board graphics card family	Intel® Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® Graphics
Market positioning	Premium	Audio	
Introduction year	2025	Built-in speaker(s)	✓
Intel® vPro™ Platform Eligibility	✗	Number of built-in speakers	2
Original brand name	HP	Built-in microphone	✓
Display		Number of microphones	2
Display diagonal *	40.6 cm (16")	Camera	
Display resolution *	1920 x 1200 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution (numeric)	5 MP
HD type	WUXGA	Infrared (IR) camera	✓
Panel type	IPS	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display brightness	300 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display diagonal (metric)	40.6 cm	Mobile network connection *	✗
RGB colour space	sRGB	Antenna type	2x2
Colour gamut	62.5%	WLAN controller model	Intel Wi-Fi 7 BE201
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 5	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	225U	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cores	12	Ethernet LAN (RJ-45) ports	1
Processor threads	14	HDMI ports quantity *	1
Processor boost frequency	4.8 GHz	HDMI version	2.1
Performance cores	2	Thunderbolt 4 ports quantity	2
Efficient cores	8	Combo headphone/mic port	✓
Low Power Efficient-cores	2		

Processor		Performance	
Performance-core Max Turbo Frequency	4.8 GHz	Temperature sensor	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Hall sensor	✓
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Keyboard	
Performance-core base frequency	1.5 GHz	Keyboard special features	Spill-resistant
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	Spill-resistant keyboard	✓
Processor base power	15 W	Software	
Maximum turbo power	57 W	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)		Brand-specific features	
Neural processor unit (NPU)	Intel AI Boost	HP speaker type	HP Dual Speakers
Sparsity support	✓	HP Connection Optimizer	✓
Windows Studio effects support	✓	HP Support Assistant	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	HP front camera	HP Webcam 5MP
NPU performance up to	12 TOPs	HP Artificial Intelligence	AI PC
Memory		HP segment	Business
Internal memory *	16 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium Polymer (LiPo)
Memory clock speed	5600 MHz	Number of battery cells	3
Memory form factor	SO-DIMM	Battery capacity *	56 Wh
Memory layout (slots x size)	1 x 16 GB	Power	
Memory slots	2x SO-DIMM	AC adapter power	65 W
Maximum internal memory *	64 GB	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	512 GB	USB Type-C charging port *	✓
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	512 GB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	512 GB	Fingerprint reader	✓
SSD interface	PCI Express	Smart card reader	✓
NVMe	✓	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, Power on, User
Optical drive type *	✗	Certificates	
Graphics		Compliance certificates	CE, CECP, GS mark, RoHS, VCCI
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
		Sustainability certificates	TCO
		Weight & dimensions	
		Width	359.4 mm
		Depth	251 mm
		Height (front)	1.09 cm
		Height (rear)	1.7 cm
		Weight *	1.75 kg



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