



HP ProBook 4 Notebooks Intel Core Ultra 5 225U Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI PC Silver



Brand : HP

Product family: ProBook 4

Product code: AD2R3ET#ABB

Product name : Notebooks

HP ProBook 4 Notebooks. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 225U. Display diagonal: 35.6 cm (14"), 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: 1.39 kg

Design		Audio	
Colour name	Pike silver	Number of built-in speakers	2
Product type *	Laptop	Number of microphones	2
Product colour *	Silver	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Everyday	Front camera resolution	1920 x 1080 pixels
Intel® vPro™ Platform Eligibility	✗	Front camera HD type	Full HD
Country of origin	China, Thailand	Network	
Original brand name	HP	Wi-Fi	✓
Display		Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display diagonal *	35.6 cm (14")	Wi-Fi standards	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
Display brightness	300 cd/m²	Ethernet LAN	✓
Display diagonal (metric)	35.6 cm	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	sRGB	Bluetooth	✓
Colour gamut	62.5%	Bluetooth version	5.4
sRGB coverage (typical)	62.5%	Cabling technology	10/100/1000Base-T(X)
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 2x2 Type-C ports quantity	2
Processor generation	Intel Core Ultra (Series 2)	Ethernet LAN (RJ-45) ports	1
Processor model *	225U	HDMI ports quantity *	1
Processor cores	12	HDMI version	2.1
Processor threads	14	Microphone in	✓
Processor boost frequency	4.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance cores	2	USB Sleep-and-Charge	✓
Efficient cores	8	USB Sleep-and-Charge ports	2
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	4.8 GHz		
Efficient-core Max Turbo Frequency	3.8 GHz		

Processor		Performance	
Low Power Efficient-core Max Turbo Frequency	2.4 GHz	Temperature sensor	✓
Performance-core base frequency	1.5 GHz	Hall sensor	✓
Efficient-core base frequency	1.3 GHz	Keyboard	
Low Power Efficient-core Base Frequency	700 MHz	Pointing device	Clickpad
Processor cache	12 MB	Numeric keypad *	✗
Processor cache type	L3	Keyboard backlit	✓
Processor base power	15 W	Spill-resistant keyboard	✓
Maximum turbo power	57 W	Software	
Neural processor unit (NPU)		Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	Processor special features	
Sparsity support	✓	Intel® Turbo Boost Technology	✓
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
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	Fast charging	✓
Memory slots	2x SO-DIMM	Fast charging time (50%)	30 min
Maximum internal memory *	16 GB	Power	
Storage		AC adapter power	65 W
Total storage capacity *	512 GB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	512 GB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	512 GB	Security	
SSD interface	PCI Express	Fingerprint reader	✓
NVMe	✓	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, Power on
Graphics		Certificates	
Discrete graphics card model *	Not available	Compliance certificates	CECP, CCC, RoHS, Federal Communications Commission (FCC), CE, BSMI
On-board graphics card *	✓	Sustainability	
On-board GPU manufacturer	Intel	Sustainability compliance	✓
Discrete graphics card *	✗	Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
On-board graphics card family	Intel® Graphics	Sustainable technologies and materials	At least 50% recycled metal; HP paper-based packaging is from recycled or certified sources; At least 20% post-consumer recycled plastic; At least 50% ocean-bound plastic in fan enclosure; Low halogen; Bulk packaging available
On-board graphics card model *	Intel® Graphics		
Audio		Weight & dimensions	
Built-in speaker(s)	✓	Width	318.6 mm
		Depth	224.3 mm
		Height (front)	1.09 cm
		Height (rear)	1.7 cm
		Weight *	1.39 kg
		Packaging content	
		Keyboard included	✓
		Other features	
		UNSPSC-code	43211503

Other features

Memory module type	SODIMM
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