



HP ProBook 450 G10 Intel® Core™ i5 i5-1335U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



Brand : HP

Product family: ProBook

Product code: 9G2A4ET#ABH

Product name : 450 G10

HP ProBook 450 G10. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1335U, Processor frequency: 1.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Network	
Colour name	Pike silver aluminum	4G standard	LTE-TDD & LTE-FDD
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product colour *	Silver	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Form factor *	Clamshell	Mobile network connection *	✓
Market positioning	Everyday	Antenna type	2x2
Introduction year	2023	WLAN controller model	Intel Wi-Fi 6E AX211
Original brand name	HP	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✓
Display diagonal *	39.6 cm (15.6")	Ethernet LAN data rates	10,1000,100 Mbit/s
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.3
HD type	Full HD	WWAN	Installed
Panel type	IPS	WWAN controller	Intel® XMM™ 7560 LTE Advanced Pro Cat 16
LED backlight	✓	Ports & interfaces	
Native aspect ratio	16:9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Display bezel technology	Micro-Edge	Ethernet LAN (RJ-45) ports	1
Display brightness	250 cd/m ²	HDMI ports quantity *	1
Display diagonal (metric)	39.6 cm	HDMI version	2.1
RGB colour space	NTSC	Combo headphone/mic port	✓
Colour gamut	45%	USB Type-C DisplayPort Alternate Mode	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Keyboard special features	Étanche
Processor family *	Intel® Core™ i5	Pointing device	Clickpad
Processor generation	13th gen Intel® Core™ i5	Numeric keypad *	✓
Processor model *	i5-1335U	Spill-resistant keyboard	✓
Processor cores	10	Keyboard layout	QWERTY
Processor threads	12	Input device model	Clavier HP Premium
Processor boost frequency	4.6 GHz		
Processor frequency *	1.3 GHz		
Performance cores	2		
Efficient cores	8		

Processor		Software	
Performance-core Max Turbo Frequency	4.6 GHz	Operating system installed *	Windows 11 Pro
Efficient-core Max Turbo Frequency	3.4 GHz	Brand-specific features	
Processor cache	12 MB	HP speaker type	HP Dual Speakers
Processor cache type	L3	HP Connection Optimizer	✓
Processor base power	15 W	HP Support Assistant	✓
Maximum turbo power	55 W	HP Smart AC Adapter	✓
Memory		HP front camera	HP Webcam
Internal memory *	16 GB	HP segment	Business
Internal memory type	DDR4-SDRAM	Battery	
Memory clock speed	3200 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	SO-DIMM	Number of battery cells	3
Memory layout (slots x size)	1 x 16 GB	Battery capacity *	51 Wh
Memory slots	2x SO-DIMM	Battery weight	180 g
Maximum internal memory *	32 GB	Power	
ECC	✗	AC adapter power	65 W
Non-ECC	✓	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	512 GB	DC-in jack	✓
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	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	Password protection	✓
Graphics		Password protection type	BIOS, Power on, User
Discrete graphics card model *	Not available	Certificates	
On-board graphics card *	✓	Low halogen	✓
On-board GPU manufacturer	Intel	Sustainability	
Discrete graphics card *	✗	Sustainability compliance	✓
On-board graphics card family	Intel® UHD Graphics	Sustainability certificates	TCO
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
Audio		Width	359.4 mm
Built-in speaker(s)	✓	Depth	233.9 mm
Number of built-in speakers	2	Height	19.9 mm
Built-in microphone	✓	Weight *	1.79 kg
Number of microphones	2	Packaging data	
Camera		Package width	69 mm
Front camera	✓	Package depth	483 mm
Front camera HD type	HD	Package height	305 mm
Network		Packaging content	
Mobile network generation	4G	Stylus pen	✗
		Other features	
		Number of speakers	2



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