



HP ProBook 450 G10 Intel® Core™ i5 i5-1335U Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



Brand : HP

Product family: ProBook

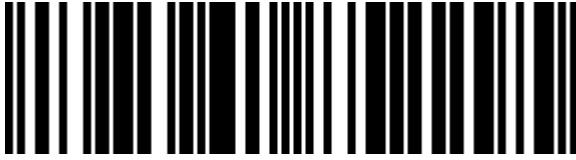
Product code: 9G2A2ET#ABH

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: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Network	
Colour name	Pike silver aluminum	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Silver	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Everyday	WLAN controller model	Intel Wi-Fi 6E AX211
Introduction year	2023	WLAN controller manufacturer	Intel
Original brand name	HP	Ethernet LAN	✓
Display		Ethernet LAN data rates	10,1000,100 Mbit/s
Display diagonal *	39.6 cm (15.6")	Bluetooth	✓
Display resolution *	1920 x 1080 pixels	Bluetooth version	5.3
Touchscreen *	✗	Ports & interfaces	
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
LED backlight	✓	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:9	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Display bezel technology	Micro-Edge	Combo headphone/mic port	✓
Display brightness	250 cd/m ²	USB Type-C DisplayPort Alternate Mode	✓
Display diagonal (metric)	39.6 cm	Keyboard	
RGB colour space	NTSC	Keyboard special features	Étanche
Colour gamut	45%	Pointing device	Clickpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i5	Keyboard layout	QWERTY
Processor generation	13th gen Intel® Core™ i5	Input device model	Clavier HP Premium
Processor model *	i5-1335U	Software	
Processor cores	10	Operating system installed *	Windows 11 Pro
Processor threads	12		
Processor boost frequency	4.6 GHz		
Processor frequency *	1.3 GHz		
Performance cores	2		
Efficient cores	8		

Processor		Brand-specific features	
Performance-core Max Turbo Frequency	4.6 GHz	HP speaker type	HP Dual Speakers
Efficient-core Max Turbo Frequency	3.4 GHz	HP Connection Optimizer	✓
Processor cache	12 MB	HP Support Assistant	✓
Processor cache type	L3	HP Smart AC Adapter	✓
Processor base power	15 W	HP front camera	HP Webcam
Maximum turbo power	55 W	HP segment	Business
Memory		Battery	
Internal memory *	8 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR4-SDRAM	Number of battery cells	3
Memory clock speed	3200 MHz	Battery capacity *	51 Wh
Memory form factor	SO-DIMM	Battery weight	180 g
Memory layout (slots x size)	1 x 8 GB	Power	
Memory slots	2x SO-DIMM	AC adapter power	65 W
Maximum internal memory *	32 GB	AC adapter frequency	50 - 60 Hz
ECC	✗	AC adapter input voltage	100 - 240 V
Non-ECC	✓	DC-in jack	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	256 GB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	256 GB	Fingerprint reader	✓
Number of SSDs installed	1	Trusted Platform Module (TPM)	✓
SSD capacity	256 GB	Trusted Platform Module (TPM) version	2.0
SSD interface	PCI Express	Password protection	✓
NVMe	✓	Password protection type	BIOS, Power on, User
Optical drive type *	✗	Certificates	
Graphics		Low halogen	✓
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	Intel	Sustainability certificates	TCO
Discrete graphics card *	✗	Weight & dimensions	
On-board graphics card family	Intel® UHD Graphics	Width	359.4 mm
On-board graphics card model *	Intel® UHD Graphics	Depth	233.9 mm
Audio		Height	19.9 mm
Built-in speaker(s)	✓	Weight *	1.79 kg
Number of built-in speakers	2	Packaging data	
Built-in microphone	✓	Package width	69 mm
Number of microphones	2	Package depth	483 mm
Camera		Package height	305 mm
Front camera	✓	Packaging content	
Front camera HD type	HD	Stylus pen	✗
		Other features	
		Number of speakers	2



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