



HP ProBook 450 G9 Intel® Core™ i5 i5-1235U Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



Brand : HP

Product family: ProBook

Product code: 6A183EA

Product name : 450 G9

HP ProBook 450 G9. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1235U, 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: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Network	
Colour name	Pike silver aluminum	Bluetooth	✓
Product type *	Laptop	Bluetooth version	5.3
Product colour *	Silver	Ports & interfaces	
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Market positioning	Everyday	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Introduction year	2022	HDMI ports quantity *	1
Country of origin	China	HDMI version	2.1b
Original brand name	HP	Combo headphone/mic port	✓
Display		USB Type-C DisplayPort Alternate Mode	✓
Display diagonal *	39.6 cm (15.6")	Keyboard	
Display resolution *	1920 x 1080 pixels	Keyboard special features	Étanche
Touchscreen *	✗	Pointing device	Clickpad
HD type	Full HD	Numeric keypad *	✓
Panel type	IPS	Spill-resistant keyboard	✓
Anti-glare screen	✓	Full-size keyboard	✓
Display bezel technology	Micro-Edge	Input device model	Clavier HP Premium
Display brightness	400 cd/m ²	Software	
Display diagonal (metric)	39.6 cm	Operating system installed *	Windows 11 Pro
RGB colour space	NTSC	Processor special features	
Colour gamut	72%	Intel Flex Memory Access	✓
Processor		Intel Trusted Execution Technology	✓
Processor manufacturer *	Intel	Intel VT-x with Extended Page Tables (EPT)	✓
Processor family *	Intel® Core™ i5	Execute Disable Bit	✓
Processor generation	12th gen Intel® Core™ i5	CPU configuration (max)	1
Processor model *	i5-1235U	Embedded options available	✗
Processor cores	10	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor threads	12	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	4.4 GHz	Memory	
Processor frequency *	1.3 GHz	Internal memory *	8 GB
Processor cache	12 MB		
Processor cache type	L3		
Configurable TDP-down	12 W		

Memory		Brand-specific features	
Internal memory type	DDR4-SDRAM	HP speaker type	HP Dual Speakers
Memory clock speed	3200 MHz	HP Connection Optimizer	✓
Memory layout (slots x size)	1 x 8 GB	HP Support Assistant	✓
Memory slots	2x SO-DIMM	HP Smart AC Adapter	✓
Number of free internal memory expansion slots	1	HP Software provided	HP Hotkey Support; HP MAC Address Manager; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; Tile App; HP Quick Touch; HP PC Hardware Diagnostics Windows
ECC	✗	HP segment	Business
Non-ECC	✓	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	512 GB	Number of battery cells	3
Storage media *	SSD	Battery capacity *	51 Wh
Total SSDs capacity	512 GB	Power	
Number of SSDs installed	1	AC adapter power	45 W
SSD capacity	512 GB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express	AC adapter input voltage	100 - 240 V
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Graphics		Fingerprint reader	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board GPU manufacturer	Intel	Password protection	✓
Discrete graphics card *	✗	Password protection type	BIOS, Power on, User
On-board graphics card family	Intel Iris Xe Graphics	Sustainability	
On-board graphics card model *	Intel Iris Xe Graphics	Sustainability compliance	✓
Audio		Sustainability certificates	TCO
Built-in speaker(s)	✓	Weight & dimensions	
Number of built-in speakers	2	Width	359.4 mm
Built-in microphone	✓	Depth	233.9 mm
Number of microphones	2	Height	19.9 mm
Camera		Weight *	1.74 kg
Front camera	✓	Packaging data	
Front camera HD type	HD	Package width	69 mm
Network		Package depth	520 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Package height	305 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Packaging content	
Mobile network connection *	✗	Keyboard included	✓
Antenna type	2x2	Stylus pen	✗
WLAN controller model	Intel Wi-Fi 6E AX211	Other features	
WLAN controller manufacturer	Intel	Number of speakers	2



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