



HP ProBook 450 G9 Intel® Core™ i5 i5-1235U 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: 9M3U0AT

Product name : 450 G9

- Intel® Core™ i5-1235U (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)
 - Windows 11 Pro
 - 39.6 cm (15.6") diagonal FHD display
 - Intel® Iris® X^e Graphics
 - 8 GB memory; 256 GB SSD storage
- ProBook 450 15.6 inch G9 Notebook PC, 15.6", Windows 11 Pro, Intel® Core™ i5, 8GB RAM, 256GB SSD, FHD

HP ProBook 450 G9 Intel® Core™ i5 i5-1235U Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver:



Essential features in a modern design

The HP ProBook 450 Laptop provides growing businesses with the commercial-grade performance, HP Wolf Security for Business^[5], and durability in a compact design. This PC is powered by an Intel® processor^[2] and protected with always-on security you can trust.

Design		Network	
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		Bluetooth	✓
Display diagonal *	39.6 cm (15.6")	Bluetooth version	5.3
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
HD type	Full HD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Panel type	IPS	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1b
Display bezel technology	Micro-Edge	Combo headphone/mic port	✓
Display brightness	250 cd/m ²	Charging port type	USB Type-C
Display diagonal (metric)	39.6 cm	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	NTSC	USB Power Delivery	✓
Colour gamut	45%	Keyboard	
Processor		Keyboard special features	Étanche
Processor manufacturer *	Intel	Pointing device	Clickpad
Processor family *	Intel® Core™ i5	Numeric keypad *	✓
Processor generation	12th gen Intel® Core™ i5	Keyboard backlit	✓
Processor model *	i5-1235U	Spill-resistant keyboard	✓
Processor cores	10	Full-size keyboard	✓
Processor threads	12	Input device model	Clavier HP Premium
Processor boost frequency	2.5 GHz		
Processor frequency *	1.3 GHz		
Performance cores	2		
Efficient cores	8		
Performance-core Max Turbo Frequency	4.4 GHz		
Efficient-core Max Turbo Frequency	3.3 GHz		
Processor cache	12 MB		
Processor cache type	L3		

Processor		Software	
Processor base power	15 W	Pre-installed software	HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP Support Assistant; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP Quick Touch; HP PC Hardware Diagnostics Windows
Maximum turbo power	55 W		
Memory		Operating system installed *	Windows 11 Pro
Internal memory *	8 GB	Brand-specific features	
Internal memory type	DDR4-SDRAM	HP speaker type	HP Dual Speakers
Memory clock speed	3200 MHz	HP Connection Optimizer	✓
Memory form factor	SO-DIMM	HP Support Assistant	✓
Memory layout (slots x size)	1 x 8 GB	HP Smart AC Adapter	✓
Memory slots	2x SO-DIMM	HP front camera	HP Privacy HD
Maximum internal memory *	32 GB	HP Security tools	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; HP Sure Click; HP Sure Sense; BIOS Update via Network; HP Sure Admin; HP BIOSphere Gen6; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP Sure Start Gen7; HP Wake on WLAN; HP Tamper Lock
ECC	✗		
Non-ECC	✓	HP Management tools	HP Client Management Script Library (download); HP Image Assistant (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Power Manager
Storage		HP Software provided	HP Hotkey Support; HP MAC Address Manager; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP Quick Touch; HP PC Hardware Diagnostics Windows
Total storage capacity *	256 GB	HP segment	Business
Storage media *	SSD	HP GTIN (EAN/UPC)	198122068579
Total SSDs capacity	256 GB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	256 GB	Number of battery cells	3
SSD interface	PCI Express	Battery capacity *	51 Wh
NVMe	✓	Power	
Optical drive type *	✗	AC adapter power	45 W
Graphics		AC adapter frequency	50 - 60 Hz
Discrete graphics card model *	Not available	AC adapter input voltage	100 - 240 V
On-board graphics card *	✓	Security	
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM) version	2.0
On-board graphics card family	Intel Iris Xe Graphics	Password protection	✓
On-board graphics card model *	Intel Iris Xe Graphics	Password protection type	BIOS, Power on, User
Audio		Sustainability	
Built-in speaker(s)	✓	Sustainability compliance	✓
Number of built-in speakers	2	Sustainability certificates	ENERGY STAR
Number of microphones	2	Weight & dimensions	
Camera		Width	359.4 mm
Front camera	✓	Depth	233.9 mm
Front camera HD type	HD	Height	19.9 mm
Infrared (IR) camera	✓	Weight *	1.74 kg
Privacy camera	✓	Packaging data	
		Package width	69 mm

Packaging data

Package depth	520 mm
Package height	305 mm

Packaging content

Stylus pen	✘
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Logistics data

Harmonized System (HS) code	8471300000
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Other features

Number of speakers	2
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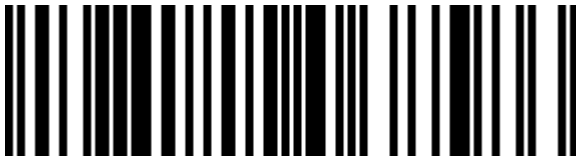
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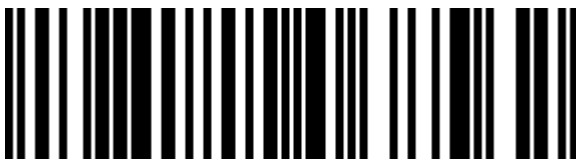
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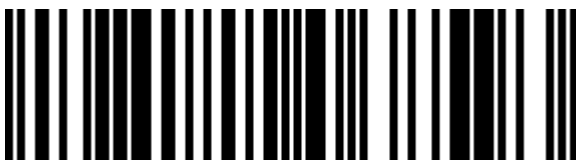
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