



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



Brand : HP

Product code: 6S6S0EA

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; 512 GB SSD storage
- ProBook 450 15.6 inch G9 Notebook PC, 15.6", Windows 11 Pro, Intel® Core™ i5, 8GB RAM, 512GB SSD, FHD

HP 450 G9 Intel® Core™ i5 i5-1235U Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (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		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Silver	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Everyday	HDMI version	2.1b
Introduction year	2022	Combo headphone/mic port	✓
Country of origin	China	Charging port type	USB Type-C
Original brand name	HP	USB Type-C DisplayPort Alternate Mode	✓
Display		USB Power Delivery	✓
Display diagonal *	39.6 cm (15.6")	Keyboard	
Display resolution *	1920 x 1080 pixels	Keyboard special features	Spill-resistant
Touchscreen *	✗	Pointing device	Clickpad
HD type	Full HD	Numeric keypad *	✓
Panel type	IPS	Keyboard backlit	✓
Anti-glare screen	✓	Spill-resistant keyboard	✓
Display bezel technology	Micro-Edge	Input device model	HP Premium Keyboard
Display brightness	400 cd/m ²	Software	
Display diagonal (metric)	39.6 cm	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
RGB colour space	NTSC	Operating system installed *	Windows 11 Pro
Colour gamut	72%	Processor special features	
Processor		Intel Flex Memory Access	✓
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor family *	Intel® Core™ i5	Intel VT-x with Extended Page Tables (EPT)	✓
Processor generation	12th gen Intel® Core™ i5	Execute Disable Bit	✓
Processor model *	i5-1235U	CPU configuration (max)	1
Processor cores	10	Embedded options available	✗
Processor threads	12		
Processor boost frequency	4.4 GHz		
Processor frequency *	1.3 GHz		
Processor cache	12 MB		
Processor cache type	L3		
Configurable TDP-down	12 W		
Memory			
Internal memory *	8 GB		

Memory		Processor special features	
Internal memory type	DDR4-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speed	3200 MHz	Intel Virtualization Technology (VT-x)	✓
Memory layout (slots x size)	1 x 8 GB	Brand-specific features	
Memory slots	2x SO-DIMM	HP speaker type	HP Dual Speakers
Number of free internal memory expansion slots	1	HP Connection Optimizer	✓
ECC	✗	HP Support Assistant	✓
Non-ECC	✓	HP Smart AC Adapter	✓
Storage		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	
Total storage capacity *	512 GB	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 media *	SSD	HP Hotkey Support; HP MAC Address Manager; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HPQuickDrop; Tile App; HP Quick Touch; HP PC Hardware Diagnostics Windows	
Total SSDs capacity	512 GB	HP Security tools	
Number of SSDs installed	1	HP Management tools	
SSD capacity	512 GB	HP Software provided	
SSD interface	PCI Express	HP segment	
NVMe	✓	HP GTIN (EAN/UPC)	
SSD form factor	M.2	196786551628	
Optical drive type *	✗	Battery	
Graphics		Battery technology	
Discrete graphics card model *	Not available	Lithium-Ion (Li-Ion)	
On-board graphics card *	✓	Number of battery cells	
On-board GPU manufacturer	Intel	3	
Discrete graphics card *	✗	Battery capacity *	
On-board graphics card family	Intel Iris Xe Graphics	51 Wh	
On-board graphics card model *	Intel Iris Xe Graphics	Power	
Audio		AC adapter power	
Built-in speaker(s)	✓	45 W	
Number of built-in speakers	2	AC adapter frequency	
Number of microphones	2	50 - 60 Hz	
Camera		AC adapter input voltage	
Front camera	✓	100 - 240 V	
Front camera signal format	720p	Security	
Front camera HD type	HD	Fingerprint reader	
Infrared (IR) camera	✓	✓	
Network		Trusted Platform Module (TPM)	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Trusted Platform Module (TPM) version	
Wi-Fi standards	Wi-Fi 6 (802.11ax)	2.0	
Mobile network connection *	✗	Password protection	
Antenna type	2x2	✓	
WLAN controller model	Realtek RTL8852AE	Password protection type	
WLAN controller manufacturer	Realtek	BIOS, Power on, User	
Bluetooth	✓	Sustainability	
Bluetooth version	5.2	Sustainability compliance	
Ports & interfaces		Sustainability certificates	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	ENERGY STAR	
		Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 10% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure(s)	
		Sustainable technologies and materials	
		Weight & dimensions	
		Width	359.4 mm
		Depth	233.9 mm

Weight & dimensions

Height	19.9 mm
Weight *	1.74 kg

Packaging data

Package width	69 mm
Package depth	520 mm
Package height	305 mm

Packaging content

Keyboard included	✓
Stylus pen	✗

Logistics data

Harmonized System (HS) code	8471300000
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Other features

Number of speakers	2
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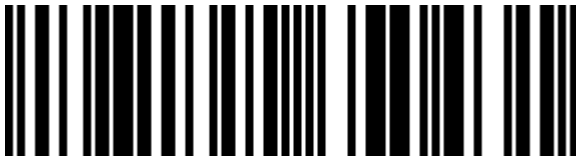
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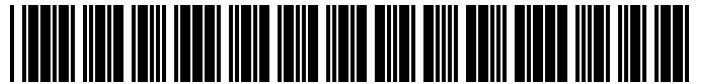
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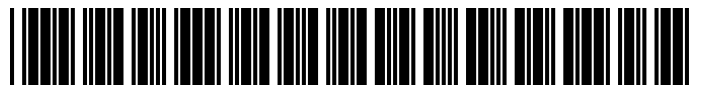
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