HP ProBook 450 G9 Intel® Core™ i5 i5-1235U Ordinateur portable 39,6 cm (15.6") Full HD 8 Go DDR4-SDRAM 512 Go SSD Wi-Fi 6 (802.11ax) Windows 11 Pro Argent

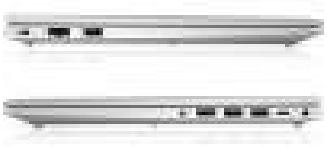
Marque : HP

Famille de produit: ProBook

Code produit: 674N0AV-BTO1#UUG

Nom du produit : 450 G9

HP ProBook 450 G9. Type de produit: Ordinateur portable, Elément de format: Boîte coquille. Famille de processeur: Intel® Core™ i5, Modèle de processeur: i5-1235U. Taille de l'écran: 39,6 cm (15.6"), Type HD: Full HD, Résolution de l'écran: 1920 x 1080 pixels. Mémoire interne: 8 Go, Type de mémoire interne: DDR4-SDRAM. Capacité totale de stockage: 512 Go, Supports de stockage: SSD. Modèle d'adaptateur graphique à bord: Intel Iris Xe Graphics. Système d'exploitation installé: Windows 11 Pro. Couleur du produit: Argent. Poids: 1,74 kg



Design	
Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Everyday

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✕
HD type	Full HD
Panel type	IPS
Native aspect ratio	16:9

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor model *	i5-1235U
Processor cores	10
Processor boost frequency	4.4 GHz
Processor cache	12 MB
Configurable TDP-down	12 W

Memory	
Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB

Network	
Mobile network connection *	✕
Bluetooth	✔

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1b
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Keyboard	
Pointing device	Clickpad
Keyboard layout	AZERTY
Numeric keypad *	✔
Spill-resistant keyboard	✔

Software	
Operating system installed *	Windows 11 Pro

Processor special features	
Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Execute Disable Bit	✔
CPU configuration (max)	1
Embedded options available	✕
Intel Virtualization Technology for Directed I/O (VT-d)	✔

Storage	
Number of SSDs installed	1
SSD capacity	512 GB
Optical drive type *	✗

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✗
On-board graphics card model *	Intel Iris Xe Graphics

Audio	
Number of built-in speakers	2
Built-in microphone	✔

Camera	
Front camera	✔

Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)

Processor special features	
Intel Virtualization Technology (VT-x)	✔

Brand-specific features	
HP speaker type	HP Dual Speakers
HP segment	Business

Battery	
Battery technology	Lithium Polymer (LiPo)

Power	
AC adapter power	65 W
USB Power Delivery (USB PD) *	✔

Weight & dimensions	
Width	359.4 mm
Depth	233.9 mm
Height	19.9 mm
Weight *	1.74 kg

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