HP

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

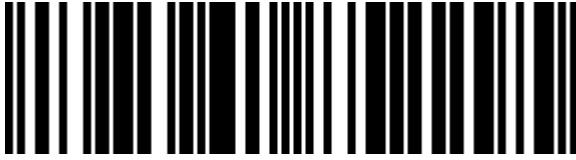**Brand :** HP   **Product family:** ProBook   **Product code:** 9G2A2ET#ABH

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

Colour name	Pike silver aluminum
Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Everyday
Introduction year	2023
Original brand name	HP

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Anti-glare screen	✔
Display bezel technology	Micro-Edge
Display brightness	250 cd/m²
Display diagonal (metric)	39.6 cm
RGB colour space	NTSC
Colour gamut	45%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	13th gen Intel® Core™ i5
Processor model *	i5-1335U
Processor cores	10
Processor threads	12
Processor boost frequency	4.6 GHz
Processor frequency *	1.3 GHz
Performance cores	2
Efficient cores	8

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✔
Ethernet LAN data rates	10,1000,100 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

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

Keyboard

Keyboard special features	Étanche
Pointing device	Clickpad
Numeric keypad *	✔
Spill-resistant keyboard	✔
Keyboard layout	QWERTY
Input device model	Clavier HP Premium

Software

Operating system installed *	Windows 11 Pro

Processor

Performance-core Max Turbo Frequency	4.6 GHz
Efficient-core Max Turbo Frequency	3.4 GHz
Processor cache	12 MB
Processor cache type	L3
Processor base power	15 W
Maximum turbo power	55 W

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB
ECC	✘
Non-ECC	✔

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Total SSDs capacity	256 GB
Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	PCI Express
NVMe	✔
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 family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Built-in speaker(s)	✔
Number of built-in speakers	2
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera HD type	HD

Brand-specific features

HP speaker type	HP Dual Speakers
HP Connection Optimizer	✔
HP Support Assistant	✔
HP Smart AC Adapter	✔
HP front camera	HP Webcam
HP segment	Business

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	51 Wh
Battery weight	180 g

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, Power on, User

Certificates

Low halogen	✔

Sustainability

Sustainability compliance	✔
Sustainability certificates	TCO

Weight & dimensions

Width	359.4 mm
Depth	233.9 mm
Height	19.9 mm
Weight *	1.79 kg

Packaging data

Package width	69 mm
Package depth	483 mm
Package height	305 mm

Packaging content

Stylus pen	✘

Other features

Number of speakers	2

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