



OMEN by HP 16-wf1085nd Intel® Core™ i7 i7-14700HX Laptop 40.9 cm (16.1") Quad HD 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : HP

Product family: OMEN by HP

Product code: 9U5U8EA#ABH

Product name : 16-wf1085nd



OMEN by HP 16-wf1085nd. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-14700HX, Processor frequency: 2.1 GHz. Display diagonal: 40.9 cm (16.1"), HD type: Quad HD, Display resolution: 2560 x 1440 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Black

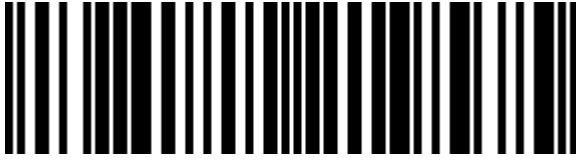
Design		Audio	
Colour name	Shadow black aluminum	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Number of microphones	2
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Introduction year	2024	Front camera HD type	Full HD
Intel® vPro™ Platform Eligibility	✗	Privacy camera	✓
Original brand name	HP	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	40.9 cm (16.1")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	2560 x 1440 pixels	Wi-Fi standards	Wi-Fi 7 (802.11be)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Quad HD	Antenna type	2x2
Panel type	IPS	WLAN controller model	Intel Wi-Fi 7 BE200
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:9	Ethernet LAN	✓
Anti-glare screen	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
Display bezel technology	Micro-Edge	Bluetooth	✓
Display brightness	300 cd/m ²	Bluetooth version	5.4
Display diagonal (metric)	40.9 cm	Cabling technology	10/100/1000Base-T(X)
RGB colour space	sRGB	Ports & interfaces	
Colour gamut	100%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Low Blue Light technology	✓	Ethernet LAN (RJ-45) ports	1
Display response rise/fall	3 ms	HDMI ports quantity *	1
Maximum refresh rate	240 Hz	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	2
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel® Core™ i7	Combo headphone/mic port	✓
Processor generation	Intel® Core™ i7 (14th gen)		
Processor model *	i7-14700HX		

Processor		Ports & interfaces	
Processor cores	20	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	28	USB Sleep-and-Charge	✓
Processor boost frequency	5.5 GHz	USB Sleep-and-Charge ports	3
Processor frequency *	2.1 GHz	Performance	
Performance cores	8	Motherboard chipset	Intel HM770
Efficient cores	12	Temperature sensor	✓
Performance-core Max Turbo Frequency	5.5 GHz	Keyboard	
Efficient-core Max Turbo Frequency	3.9 GHz	Pointing device	Touchpad
Performance-core base frequency	2.1 GHz	Numeric keypad *	✗
Efficient-core base frequency	1.5 GHz	Keyboard backlit	✓
Processor cache	33 MB	Keyboard backlit zone	4-zone RGB
Processor cache type	L3	Full-size keyboard	✓
Processor base power	55 W	Keyboard layout	QWERTY
Maximum turbo power	157 W	Keyboard colour name	Shadow black
Memory		Software	
Internal memory *	32 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Brand-specific features	
Memory clock speed	5600 MHz	HP Audio Boost	✓
Memory form factor	SO-DIMM	HP speaker type	HP Dual Speakers
Memory layout (slots x size)	2 x 16 GB	HP Smart AC Adapter	✓
Memory slots	2x SO-DIMM	HP Imagepad	✓
Memory slots (available)	2	HP front camera	HP TrueVision FHD
Memory data transfer rate	5600 MT/s	HP segment	Home
Storage		Battery	
Total storage capacity *	2 TB	Battery technology	Lithium Polymer (LiPo)
Storage media *	SSD	Number of battery cells	6
Total SSDs capacity	2 TB	Battery capacity *	83 Wh
Number of SSDs installed	1	Battery life (max)	5 h
SSD capacity	2 TB	Continuous video playback time	7 h
SSD memory type	TLC	Fast charging	✓
SSD interface	PCI Express	Fast charging time (50%)	30 min
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	280 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Graphics		AC adapter input voltage	100 - 240 V
Discrete GPU manufacturer	NVIDIA	USB Type-C charging port *	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	USB Power Delivery (USB PD)	✓
Discrete graphics card memory	8 GB	Security	
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, Power on, User
Discrete graphics card *	✓	Sustainability	
On-board graphics card family	Intel® UHD Graphics	Sustainability certificates	ENERGY STAR, EPEAT Gold
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	369 mm
Audio		Depth	259.4 mm
Audio system	DTS:X Ultra	Height	23.5 mm
Built-in speaker(s)	✓	Weight *	2.39 kg
		Packaging data	
		Package width	69 mm
		Package depth	552 mm
		Package height	345 mm
		Package weight	4.28 kg

Packaging content

Stylus pen





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