



HP OMEN 16-wf0005na Intel® Core™ i7 i7-13700HX Laptop 40.9 cm (16.1") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Product code: 877A3EA

Product name : 16-wf0005na



- Intel® Core™ i7-13700HX (up to 5.0 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)
 - Windows 11 Home
 - 40.9 cm (16.1") diagonal FHD display
 - NVIDIA® GeForce RTX™ 4070 Laptop GPU (8 GB GDDR6 dedicated)
 - 16 GB memory; 1 TB SSD storage
- OMEN Gaming Laptop 16-wf0005na, Windows 11 Home, 16.1", Intel® Core™ i7, 16GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4070, FHD, Shadow black

[HP OMEN 16-wf0005na Intel® Core™ i7 i7-13700HX Laptop 40.9 cm \(16.1"\) Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E \(802.11ax\) Windows 11 Home Black:](#)

Enjoy powerful fun anywhere.

The OMEN 16 inch gaming laptop is ready to go wherever you are. Enjoy desktop-level power with a 13th Gen Intel® Core™ processor¹⁾ and a modern NVIDIA® graphics card, both regulated by enhanced internal cooling. The screen is equally impressive with high resolution, smooth framerates, and anti-glare features.



Design		Network	
Colour name	Shadow black cover and base, shadow black aluminum keyboard frame, black chrome logo	WLAN controller manufacturer	Intel
Product type *	Laptop	Ethernet LAN	✓
Product colour *	Black	Ethernet LAN data rates	10,100,1000 Mbit/s
Form factor *	Clamshell	Bluetooth	✓
Market positioning	Gaming	Bluetooth version	5.3
Introduction year	2023	Cabling technology	10/100/1000Base-T(X)
Product design	Paint finish cover and base, anodized keyboard frame	Ports & interfaces	
Original brand name	HP	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display		Ethernet LAN (RJ-45) ports	1
Display diagonal *	40.9 cm (16.1")	HDMI ports quantity *	1
Display resolution *	1920 x 1080 pixels	HDMI version	2.1
Touchscreen *	✗	Thunderbolt 4 ports quantity	2
HD type	Full HD	Intel® Thunderbolt 4	✓
Panel type	IPS	Combo headphone/mic port	✓
Native aspect ratio	16:9	Charging port type	USB Type-C
Anti-glare screen	✓	USB Type-C DisplayPort Alternate Mode	✓
Display bezel technology	Micro-Edge	USB Power Delivery	✓
Display brightness	300 cd/m ²	USB Sleep-and-Charge	✓
Display diagonal (metric)	40.9 cm	USB Sleep-and-Charge ports	3
RGB colour space	sRGB	Performance	
Colour gamut	100%	Motherboard chipset	Intel HM770
Display response rise/fall	7 ms	Temperature sensor	✓
Maximum refresh rate	165 Hz	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Keyboard backlight	✓
Processor generation	13th gen Intel® Core™ i7	Full-size keyboard	✓
Processor model *	i7-13700HX	Keyboard colour name	shadow black
Processor cores	16		

Processor		Software	
Processor threads	24	Pre-installed software	ExpressVPN (30 day free trial); LastPass Premium (30 day free trial), 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; Xbox Game Pass 1-month free trial
Processor boost frequency	5 GHz		25 GB Dropbox storage for 12 months
Processor cache type	L3	Trial software	
Bus type	DMI4	Operating system installed *	Windows 11 Home
Configurable TDP-down	45 W	Processor special features	
Memory		CPU configuration (max)	1
Internal memory *	16 GB	Brand-specific features	
Internal memory type	DDR5-SDRAM	HP Audio Boost	✓
Memory clock speed	4800 MHz	HP speaker type	HP Dual Speakers
Memory layout (slots x size)	2 x 8 GB	HP Imagepad	✓
Memory slots (available)	2	HP Security tools	Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Number of free internal memory expansion slots	2	HP Software provided	HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub; myHP
Storage		HP segment	Home
Total storage capacity *	1 TB	HP GTIN (EAN/UPC)	197497674637
Storage media *	SSD	Battery	
Total SSDs capacity	1 TB	Battery technology	Lithium Polymer (LiPo)
Number of SSDs installed	1	Number of battery cells	6
SSD capacity	1 TB	Battery capacity *	83 Wh
SSD memory type	TLC	Battery life (max)	6 h
SSD interface	PCI Express	Continuous video playback time	7 h
NVMe	✓	Fast charging	✓
SSD form factor	M.2	Fast charging time (50%)	30 min
Optical drive type *	✗	Power	
Graphics		AC adapter power	280 W
Discrete GPU manufacturer	NVIDIA	AC adapter frequency	50 - 60 Hz
Discrete graphics card model *	NVIDIA GeForce RTX 4070	AC adapter input voltage	100 - 240 V
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	EPEAT Silver
On-board graphics card model *	Intel® UHD Graphics	Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard mechanism made from agriculture waste; Recycled metal in keyboard frame; Keyboard keycaps and scissors contain post-consumer recycled plastic
NVIDIA G-SYNC	✓	Weight & dimensions	
Audio		Width	369 mm
Audio system	B&O PLAY	Depth	259.4 mm
Built-in speaker(s)	✓	Height	23.5 mm
Number of built-in speakers	2	Weight *	2.39 kg
Speakers manufacturer	Bang & Olufsen	Packaging data	
Camera		Package width	69 mm
Front camera	✓	Package depth	552 mm
Front camera HD type	Full HD	Package height	345 mm
Network		Package weight	4.28 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Packaging content	
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Stylus pen	✗
Mobile network connection *	✗		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		

Logistics data

Harmonized System (HS) code	8471300000
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Other features

Number of speakers	2
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Publication date: 09-MAY-2024. Prints or copies of Information are only valid on the printed Publication date