



HP OMEN 16-wf0008na Intel® Core™ i7 i7-13700HX Laptop 40.9 cm (16.1") Quad HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Product code: 87D84EA

Product name : 16-wf0008na



- 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 QHD display
 - NVIDIA® GeForce RTX™ 4080 Laptop GPU (12 GB GDDR6 dedicated)
 - 32 GB memory; 1 TB SSD storage
- OMEN Gaming Laptop 16-wf0008na, Windows 11 Home, 16.1", Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080, QHD, Shadow black

HP OMEN 16-wf0008na Intel® Core™ i7 i7-13700HX Laptop 40.9 cm (16.1") Quad HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 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	Ethernet LAN	✓
Product type *	Laptop	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Black	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.3
Market positioning	Gaming	Cabling technology	10/100/1000Base-T(X)
Introduction year	2023	Ports & interfaces	
Product design	Paint finish cover and base, anodized keyboard frame	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Original brand name	HP	Ethernet LAN (RJ-45) ports	1
Display		HDMI ports quantity *	1
Display diagonal *	40.9 cm (16.1")	HDMI version	2.1
Display resolution *	2560 x 1440 pixels	Thunderbolt 4 ports quantity	2
Touchscreen *	✗	Intel® Thunderbolt 4	✓
HD type	Quad HD	Combo headphone/mic port	✓
Panel type	IPS	Charging port type	USB Type-C
Native aspect ratio	16:9	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	USB Power Delivery	✓
Display bezel technology	Micro-Edge	USB Sleep-and-Charge	✓
Display brightness	300 cd/m ²	USB Sleep-and-Charge ports	3
Display diagonal (metric)	40.9 cm	Performance	
RGB colour space	sRGB	Motherboard chipset	Intel HM770
Colour gamut	100%	Temperature sensor	✓
Display response rise/fall	3 ms	Keyboard	
Maximum refresh rate	240 Hz	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel® Core™ i7	Keyboard backlit zone	4-zone RGB
Processor generation	13th gen Intel® Core™ i7	Full-size keyboard	✓
Processor model *	i7-13700HX	Keyboard colour name	shadow black
Processor cores	16		

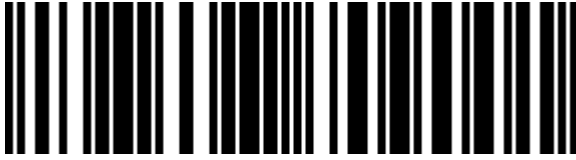
Processor		Software	
Processor threads	24	Pre-installed software	ExpressVPN (30 day free trial); LastPass Premium (30 day free trial), 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; Xbox Game Pass 1-month free trial
Processor boost frequency	5 GHz		Trial software
Processor cache type	L3	Operating system installed *	Windows 11 Home
Bus type	DMI4	Processor special features	
Configurable TDP-down	45 W	CPU configuration (max)	1
Memory		Brand-specific features	
Internal memory *	32 GB	HP Audio Boost	✓
Internal memory type	DDR5-SDRAM	HP speaker type	HP Dual Speakers
Memory clock speed	4800 MHz	HP Imagepad	✓
Memory layout (slots x size)	2 x 16 GB	HP Security tools	Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Memory slots (available)	2	HP Software provided	HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub; myHP
Number of free internal memory expansion slots	2	HP segment	Home
Storage		HP GTIN (EAN/UPC)	197497709001
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium Polymer (LiPo)
Total SSDs capacity	1 TB	Number of battery cells	6
Number of SSDs installed	1	Battery capacity *	83 Wh
SSD capacity	1 TB	Battery life (max)	4.5 h
SSD memory type	TLC	Continuous video playback time	4.5 h
SSD interface	PCI Express	Fast charging	✓
NVMe	✓	Fast charging time (50%)	30 min
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	280 W
Graphics		AC adapter frequency	50 - 60 Hz
Discrete GPU manufacturer	NVIDIA	AC adapter input voltage	100 - 240 V
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Security	
Discrete graphics card memory	12 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR6	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, Power on, User
On-board GPU manufacturer	Intel	Sustainability	
Discrete graphics card *	✓	Sustainability certificates	EPEAT Silver
On-board graphics card family	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
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	369 mm
Audio		Depth	259.4 mm
Audio system	B&O PLAY	Height	23.5 mm
Built-in speaker(s)	✓	Weight *	2.39 kg
Number of built-in speakers	2	Packaging data	
Speakers manufacturer	Bang & Olufsen	Package width	69 mm
Camera		Package depth	552 mm
Front camera	✓	Package height	345 mm
Front camera HD type	Full HD	Package weight	4.28 kg
Network		Packaging content	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Stylus pen	✗
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		

Logistics data

Harmonized System (HS) code	8471300000
-----------------------------	------------

Other features

Number of speakers	2
--------------------	---



0197497709001



197497709001

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.