



HP OMEN 16-wf0507na 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: 878R7EA

Product name : 16-wf0507na

- 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-wf0507na, Windows 11 Home, 16.1", Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080, QHD, Shadow black

HP OMEN 16-wf0507na 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)	197497684469
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, ENERGY STAR
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
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Other features

Number of speakers	2
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