



HP OMEN 16-xd0000nt AMD Ryzen™ 7 7840HS Laptop 40,9 cm (16.1") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Product code: 8X168EA

Product name : 16-xd0000nt

- Windows 11 Home
- AMD Ryzen 7 7840HS (16MB Cache, 3.8GHz)
- 40.9 cm (16.1") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 512GB SSD
AMD Ryzen 7 7840HS (16MB Cache, 3.8GHz), 16GB DDR5-SDRAM, 512GB SSD, 40.9 cm (16.1") Full HD 1920 x 1080 IPS, AMD Radeon 780M, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, HP TrueVision FHD, Windows 11 Home

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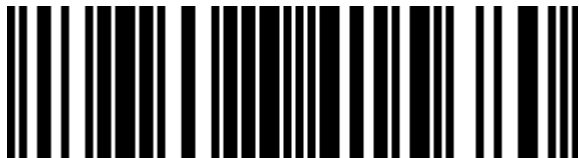
Enjoy powerful fun anywhere.

The OMEN 16 inch gaming laptop is ready to go wherever you are. Enjoy desktop-level power with a 7000 Series AMD Ryzen™ processor^[1] and a modern 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, black chrome logo	Ethernet LAN data rates	10,100,1000 Mbit/s
Product type *	Laptop	Bluetooth	✓
Product colour *	Black	Bluetooth version	5.3
Form factor *	Clamshell	Cabling technology	10/100/1000Base-T(X)
Market positioning	Gaming	Ports & interfaces	
Introduction year	2023	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Original brand name	HP	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
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 *	✗	Combo headphone/mic port	✓
HD type	Full HD	USB Type-C DisplayPort Alternate Mode	✓
Panel type	IPS	USB Sleep-and-Charge	✓
Native aspect ratio	16:9	USB Sleep-and-Charge ports	2
Anti-glare screen	✓	Performance	
Display brightness	300 cd/m²	Motherboard chipset	AMD SoC
RGB colour space	sRGB	Temperature sensor	✓
Colour gamut	100%	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	AMD	Numeric keypad *	✗
Processor family *	AMD Ryzen™ 7	Keyboard backlit colour	RGB
Processor generation	AMD Ryzen 7000 Series	Keyboard backlit zone	4-zone RGB
Processor model *	7840HS	Full-size keyboard	✓
Processor cores	8	Keyboard colour name	Shadow black
Processor boost frequency	5,1 GHz		
Processor frequency *	3,8 GHz		
Processor cache	16 MB		
Processor cache type	L3		

Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Brand-specific features	
Memory clock speed	5600 MHz	HP Audio Boost	✓
Memory layout (slots x size)	2 x 8 GB	HP speaker type	HP Dual Speakers
Storage		HP Imagepad	✓
Total storage capacity *	512 GB	HP front camera	HP TrueVision FHD
Storage media *	SSD	HP segment	Home
Total SSDs capacity	512 GB	Battery	
Number of SSDs installed	1	Battery technology	Lithium Polymer (LiPo)
Solid-state drive capacity	512 GB	Number of battery cells	6
SSD memory type	TLC	Battery capacity *	83 Wh
Solid-state drive interface	PCI Express	Battery life (max)	8 h
NVMe	✓	Continuous video playback time	10,75 h
SSD form factor	M.2	Fast charging	✓
Graphics		Fast charging time (50%)	30 min
Discrete GPU manufacturer	NVIDIA	Power	
Discrete graphics card model *	NVIDIA GeForce RTX 4060	AC adapter power	230 W
Discrete graphics card memory	8 GB	AC adapter frequency	50 - 60 Hz
Discrete graphics memory type	GDDR6	AC adapter input voltage	100 - 240 V
On-board graphics card *	✓	USB Type-C charging port *	✓
On-board GPU manufacturer	AMD	USB Power Delivery	✓
Discrete graphics card *	✓	Security	
On-board graphics card family	AMD Radeon Graphics	Trusted Platform Module (TPM)	✓
On-board graphics card model *	AMD Radeon 780M	Password protection	✓
Audio		Password protection type	BIOS, Power on, User
Audio system	B&O PLAY	Sustainability	
Built-in speaker(s)	✓	Sustainability compliance	✓
Number of built-in speakers	2	Sustainability certificates	ENERGY STAR, EPEAT Gold
Speakers manufacturer	Bang & Olufsen	Weight & dimensions	
Built-in microphone	✓	Width	369 mm
Camera		Depth	259,4 mm
Front camera	✓	Height	23,9 mm
Network		Weight *	2,37 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Packaging data	
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Package width	69 mm
Mobile network connection *	✗	Package depth	552 mm
Antenna type	2x2	Package height	345 mm
WLAN controller manufacturer	Realtek	Package weight	4,34 kg
Ethernet LAN	✓	Packaging content	
		Stylus pen	✗
		Other features	
		Number of speakers	2



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