



HP OMEN 16-wd0000nk Intel® Core™ i7 i7-13620H Laptop 40,9 cm (16.1") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Article code: 845H6EA

Product name : 16-wd0000nk

HP OMEN 16-wd0000nk. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. Display diagonal: 40,9 cm (16.1"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product color: Black

Design		Audio	
Colour name	Shadow black, black chrome logo	Audio system	DTS:X Ultra
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Speakers manufacturer	Bang & Olufsen
Form factor *	Clamshell	Built-in microphone	✓
Market positioning	Gaming	Number of microphones	2
Introduction year	2023	Camera	
Original brand name	HP	Front camera	✓
Display		Front camera HD type	Full HD
Display diagonal *	40.9 cm (16.1")	Network	
Display resolution *	1920 x 1080 pixels	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 6E (802.11ax)
HD type	Full HD	Mobile network connection *	✗
Panel type	IPS	Antenna type	2x2
Anti-glare screen	✓	WLAN controller manufacturer	Realtek
Display brightness	250 cd/m²	Bluetooth	✓
Display diagonal (metric)	40.9 cm	Bluetooth version	5.3
RGB colour space	NTSC	Ports & interfaces	
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Maximum refresh rate	144 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel® Core™ i7	HDMI version	2.1
Processor generation	13th gen Intel® Core™ i7	Combo headphone/mic port	✓
Processor model *	i7-13620H	Charging port type	USB Type-C
Processor cores	10	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	16	USB Sleep-and-Charge	✓
Processor boost frequency	4.9 GHz	USB Sleep-and-Charge ports	2
Performance cores	6	Performance	
Efficient cores	4	Temperature sensor	✓
Performance-core Max Turbo Frequency	4.9 GHz	Keyboard	
Efficient-core Max Turbo Frequency	3.6 GHz	Pointing device	Touchpad
Processor cache	24 MB	Numeric keypad *	✗
Processor cache type	Smart Cache	Keyboard backlit	✓
Processor base power	45 W	Keyboard backlit zone	4-zone RGB
Maximum turbo power	115 W	Full-size keyboard	✓
Memory			
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	5200 MHz		
Memory layout (slots x size)	2 x 8 GB		

Storage		Software	
Total storage capacity *	1 TB	Trial software	Xbox Game Pass 1-month free trial
Storage media *	SSD	Operating system installed *	Windows 11 Home
Total SSDs capacity	1 TB	Brand-specific features	
Number of SSDs installed	1	HP Audio Boost	✓
SSD capacity	1 TB	HP speaker type	HP Dual Speakers
SSD memory type	TLC	HP Smart AC Adapter	✓
SSD interface	PCI Express	HP front camera	HP TrueVision FHD
NVMe	✓	HP segment	Home
SSD form factor	M.2	Battery	
Optical drive type *	✗	Battery technology	Lithium Polymer (LiPo)
Card reader integrated	✓	Number of battery cells	4
Compatible memory cards	SD	Battery capacity *	70 Wh
Graphics		Battery life (max)	6.5 h
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Fast charging	✓
Discrete graphics card memory	6 GB	Fast charging time (50%)	30 min
Discrete graphics memory type	GDDR6	Power	
On-board graphics card *	✓	AC adapter power	230 W
On-board GPU manufacturer	Intel	AC adapter frequency	50/60 Hz
Discrete graphics card *	✓	AC adapter input voltage	100 - 240 V
On-board graphics card family	Intel® UHD Graphics	USB Power Delivery (USB PD) *	✓
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
		Width	369 mm
		Depth	259.4 mm
		Height	23.9 mm
		Weight *	2.35 kg
		Packaging data	
		Package width	69 mm
		Package depth	552 mm
		Package height	345 mm
		Package weight	4.28 kg

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Publication date: 06-DEC-2024. Prints or copies of Information are only valid on the printed Publication date