



HP OMEN Transcend 16-u1096nd Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Black



Brand : HP

Product family: OMEN Transcend

Product code: 9U5U5EA#ABH

Product name : 16-u1096nd

HP OMEN Transcend 16-u1096nd. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home. Product colour: Black

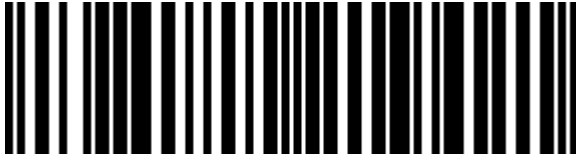
Design		Audio	
Colour name	Shadow black aluminum	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera HD type	Full HD
Introduction year	2023	Infrared (IR) camera	✓
Original brand name	HP	Privacy camera	✓
Display		Privacy type	Privacy shutter
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	2560 x 1600 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 7 (802.11be)
HD type	WQXGA	Mobile network connection *	✗
Panel type	UWVA	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 7 BE200
Native aspect ratio	16:10	WLAN controller manufacturer	Intel
Display glass type	Edge to Edge Glass	Ethernet LAN	✓
Display bezel technology	Micro-Edge	Ethernet LAN data rates	10,100,1000 Mbit/s
Display brightness	400 cd/m ²	Bluetooth	✓
Display diagonal (metric)	40.6 cm	Bluetooth version	5.4
RGB colour space	DCI-P3	Cabling technology	10/100/1000Base-T(X)
Colour gamut	100%	Ports & interfaces	
Low Blue Light technology	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display response rise/fall	0.2 ms	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	240 Hz	HDMI ports quantity *	1
High Dynamic Range (HDR) supported	✓	HDMI version	2.1
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel		

Processor		Ports & interfaces	
Processor family *	Intel® Core™ i9	Combo headphone/mic port	✓
Processor generation	Intel® Core™ i9 (14th gen)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	i9-14900HX	USB Sleep-and-Charge	✓
Processor cores	24	USB Sleep-and-Charge ports	3
Processor threads	32	Performance	
Processor boost frequency	5.8 GHz	Motherboard chipset	Intel HM770
Performance cores	8	Ambient light sensor	✓
Efficient cores	16	Temperature sensor	✓
Performance-core Max Turbo Frequency	5.8 GHz	Keyboard	
Efficient-core Max Turbo Frequency	4.1 GHz	Pointing device	Touchpad
Performance-core base frequency	2.2 GHz	Numeric keypad *	✗
Efficient-core boost frequency	1.6 GHz	Keyboard backlit	✓
Processor cache	36 MB	Full-size keyboard	✓
Processor cache type	L3	Keyboard layout	QWERTY
Processor base power	55 W	Software	
Maximum turbo power	157 W	Operating system installed *	Windows 11 Home
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	5600 MHz	HP Imagepad	✓
Memory layout (slots x size)	2 x 16 GB	HP segment	Home
Memory slots	2x SO-DIMM	Battery	
Memory slots (available)	2	Battery technology	Lithium Polymer (LiPo)
Storage		Number of battery cells	6
Total storage capacity *	2 TB	Battery capacity *	97 Wh
Storage media *	SSD	Battery life (max)	5.5 h
Total SSDs capacity	2 TB	Continuous video playback time	7.75 h
Number of SSDs installed	1	Fast charging	✓
SSD capacity	2 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	230 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Graphics		USB Type-C charging port *	✓
Discrete GPU manufacturer	NVIDIA	USB Power Delivery (USB PD)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Security	
Discrete graphics card memory	8 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	ENERGY STAR, EPEAT Gold
On-board graphics card family	Intel® UHD Graphics	Weight & dimensions	
On-board graphics card model *	Intel® UHD Graphics	Width	356.5 mm
NVIDIA G-SYNC	✓	Depth	269 mm
Audio		Height	19.9 mm
Audio system	DTS:X Ultra	Weight *	2.24 kg
Built-in speaker(s)	✓	Packaging data	
		Package width	69 mm
		Package depth	552 mm
		Package height	345 mm
		Package weight	3.97 kg

Packaging content

Stylus pen





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