



HP OMEN 16-wf0095nd Intel® Core™ i7 i7-13700HX Laptop 40.9 cm (16.1") Quad HD 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Product code: 833W2EA#ABH

Product name : 16-wf0095nd

HP OMEN 16-wf0095nd. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700HX, Processor frequency: 2.1 GHz. Display diagonal: 40.9 cm (16.1"), HD type: Quad HD, Display resolution: 2560 x 1440 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. Operating system installed: Windows 11 Home. Product colour: Black

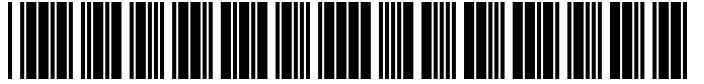


Design		Network	
Colour name	Shadow black cover and base, shadow black aluminum keyboard frame, black chrome logo	WLAN controller model	Intel Wi-Fi 6E AX211
Product type *	Laptop	WLAN controller manufacturer	Intel
Product colour *	Black	Ethernet LAN	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Market positioning	Gaming	Bluetooth	✓
Introduction year	2023	Bluetooth version	5.3
Original brand name	HP	Cabling technology	10/100/1000Base-T(X)
Display		Ports & interfaces	
Display diagonal *	40.9 cm (16.1")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	2560 x 1440 pixels	Ethernet LAN (RJ-45) ports	1
Touchscreen *	✗	HDMI ports quantity *	1
HD type	Quad HD	HDMI version	2.1
Panel type	IPS	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:9	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display bezel technology	Micro-Edge	USB Type-C DisplayPort Alternate Mode	✓
Display brightness	300 cd/m ²	USB Sleep-and-Charge	✓
Display diagonal (metric)	40.9 cm	USB Sleep-and-Charge ports	3
RGB colour space	sRGB	Performance	
Colour gamut	100%	Motherboard chipset	Intel HM770
Display response rise/fall	3 ms	Temperature sensor	✓
Maximum refresh rate	240 Hz	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	13th gen Intel® Core™ i7	Keyboard backlit zone	4-zone RGB
Processor model *	i7-13700HX	Full-size keyboard	✓
Processor cores	16		
Processor threads	24		

Processor		Keyboard	
Processor boost frequency	5 GHz	Keyboard layout	QWERTY
Processor frequency *	2.1 GHz	Keyboard colour name	Shadow black
Processor cache	30 MB	Software	
Processor cache type	L3	Operating system installed *	Windows 11 Home
Bus type	DMI4	Processor special features	
Configurable TDP-down	45 W	Intel Flex Memory Access	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	32 GB	CPU configuration (max)	1
Internal memory type	DDR5-SDRAM	Embedded options available	✗
Memory clock speed	4800 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory layout (slots x size)	2 x 16 GB	Intel Virtualization Technology (VT-x)	✓
Memory slots	2x SO-DIMM	Brand-specific features	
Memory slots (available)	2	HP Audio Boost	✓
Number of free internal memory expansion slots	2	HP speaker type	HP Dual Speakers
Storage		HP Imagepad	✓
Total storage capacity *	2 TB	HP segment	Home
Storage media *	SSD	Battery	
Total SSDs capacity	2 TB	Battery technology	Lithium Polymer (LiPo)
Number of SSDs installed	1	Number of battery cells	6
SSD capacity	2 TB	Battery capacity *	83 Wh
SSD memory type	TLC	Battery life (max)	4.5 h
SSD interface	PCI Express	Continuous video playback time	4.5 h
NVMe	✓	Fast charging	✓
SSD form factor	M.2	Fast charging time (50%)	30 min
Optical drive type *	✗	Power	
Graphics		AC adapter power	280 W
Discrete GPU manufacturer	NVIDIA	AC adapter frequency	50 - 60 Hz
Discrete graphics card model *	NVIDIA GeForce RTX 4080	AC adapter input voltage	100 - 240 V
Discrete graphics card memory	12 GB	USB Type-C charging port *	✓
Discrete graphics memory type	GDDR6	USB Power Delivery (USB PD)	✓
On-board graphics card *	✓	Security	
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Password protection	✓
On-board graphics card family	Intel® UHD Graphics	Password protection type	BIOS, Power on, User
On-board graphics card model *	Intel® UHD Graphics	Sustainability	
NVIDIA G-SYNC	✓	Sustainability compliance	✓
Audio		Sustainability certificates	EPEAT Silver
Audio system	B&O PLAY	Weight & dimensions	
Built-in speaker(s)	✓	Width	369 mm
Number of built-in speakers	2	Depth	259.4 mm
Speakers manufacturer	Bang & Olufsen	Height	23.5 mm
Built-in microphone	✓	Weight *	2.39 kg
Number of microphones	2	Packaging data	
Camera		Package width	69 mm
Front camera	✓	Package depth	552 mm
Front camera HD type	Full HD	Package height	345 mm
Network		Package weight	4.28 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Packaging content	
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Stylus pen	✗
Mobile network connection *	✗	Other features	
Antenna type	2x2	Number of speakers	2



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