



OMEN by HP 17-ck2001na Laptop 43.9 cm (17.3") Quad HD Intel® Core™ i7 i7-13700HX 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 by HP

Product code: 7K836EA

Product name : 17-ck2001na



- 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
 - 43.9 cm (17.3") diagonal QHD display
 - NVIDIA® GeForce RTX™ 4080 Laptop GPU (12 GB GDDR6 dedicated)
 - 32 GB memory; 1 TB SSD storage
- OMEN by HP Laptop 17-ck2001na, Windows 11 Home, 17.3", Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080, QHD, Shadow black

OMEN by HP 17-ck2001na Laptop 43.9 cm (17.3") Quad HD Intel® Core™ i7 i7-13700HX 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black:

Powerful gaming, anytime, anywhere

Step up your game with the OMEN by HP 17.3" Gaming Laptop PC, powered by a 13th Gen Intel® Core™ Processor^[1] and NVIDIA® GeForce RTX™ Graphics. The floating hinge design and high-res, fast refresh rate display lets you play at your best from anywhere. Customize game play with the OMEN Gaming Hub and stay cool with OMEN Tempest Cooling technology^[2].



Design		Network	
Colour name	Shadow black	Bluetooth	✓
Product type *	Laptop	Bluetooth version	5.3
Product colour *	Black	MIMO	✓
Form factor *	Clamshell	MIMO type	Multi User MIMO
Market positioning	Gaming	Cabling technology	10/100/1000Base-T(X)
Introduction year	2023	Ports & interfaces	
Introduction month	2	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Product design	Paint finish cover and base, sandblasted keyboard frame	Ethernet LAN (RJ-45) ports	1
Original brand name	HP	HDMI ports quantity *	1
Display		HDMI version	2.1
Display diagonal *	43.9 cm (17.3")	Mini DisplayPorts quantity	1
Display resolution *	2560 x 1440 pixels	Thunderbolt 4 ports quantity	1
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	2
Display diagonal (metric)	43.9 cm	Performance	
RGB colour space	sRGB	Temperature sensor	✓
Colour gamut	100%	Keyboard	
Display response rise/fall	3 ms	Pointing device	Touchpad
Maximum refresh rate	240 Hz	Numeric keypad *	✗
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Keyboard backlit colour	RGB
Processor generation	13th gen Intel® Core™ i7	Full-size keyboard	✓
Processor family *	Intel® Core™ i7		
Processor model *	i7-13700HX		
Processor frequency *	2.1 GHz		

Processor		Software	
Processor boost frequency	5 GHz	Pre-installed software	ExpressVPN (30 day free trial); LastPass Premium (30 day free trial), 1 month trial for new Microsoft 365 customers, McAfee LiveSafe™; Xbox Game Pass 1-month free trial
Processor threads	24		
Processor cores	16		
Processor cache	30 MB		
Processor cache type	Smart Cache	Trial software	25 GB Dropbox storage for 12 months
Bus type	DMI4		
Motherboard chipset	Intel HM770	Operating system installed *	Windows 11 Home
Configurable TDP-down	45 W	Processor special features	
Memory		Intel Flex Memory Access	✓
Internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR5-SDRAM	CPU configuration (max)	1
Memory clock speed	4800 MHz	Embedded options available	✗
Memory layout (slots x size)	2 x 16 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory slots (available)	2	Intel Virtualization Technology (VT-x)	✓
Number of free internal memory expansion slots	2	Brand-specific features	
Non-ECC	✓	HP Audio Boost	✓
Storage		HP Imagepad	✓
Total storage capacity *	1 TB	HP Security tools	Trusted Platform Module (Firmware TPM) support
Storage media *	SSD	HP Software provided	HP Support Assistant; HP Connection Optimizer; HP QuickDrop; MyHP; OMEN Gaming Hub
Total SSDs capacity	1 TB	HP segment	Home
Number of SSDs installed	1	Battery	
SSD capacity	1 TB	Battery technology	Lithium Polymer (LiPo)
SSD memory type	TLC	Number of battery cells	6
SSD interface	PCI Express	Battery capacity *	83 Wh
NVMe	✓	Battery life (max)	5.5 h
SSD form factor	M.2	Continuous video playback time	6.5 h
Optical drive type *	✗	Fast charging	✓
Card reader integrated	✓	Fast charging time (50%)	30 min
Compatible memory cards	SD	Battery weight	315 g
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	330 W
Discrete graphics card model *	NVIDIA GeForce RTX 4080	AC adapter frequency	50 - 60 Hz
On-board graphics card *	✓	AC adapter input voltage	100 - 240 V
Discrete graphics card *	✓	Security	
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	12 GB	Password protection	✓
Discrete graphics memory type	GDDR6X	Password protection type	BIOS, Power on, User
NVIDIA G-SYNC	✓	Sustainability	
Audio		Sustainability certificates	EPEAT Silver
Audio system	B&O PLAY	Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure(s); Recycled metal in keyboard frame and hinge cap(s); Keyboard keycaps made with post-consumer recycled plastic
Built-in speaker(s)	✓	Weight & dimensions	
Number of built-in speakers	2	Width	397.1 mm
Speakers manufacturer	Bang & Olufsen	Depth	262 mm
Built-in microphone	✓	Height	27 mm
Number of microphones	2	Weight *	2.78 kg
Camera		Packaging data	
Front camera	✓	Package width	69 mm
Front camera HD type	HD	Package depth	624 mm
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
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		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		

Packaging data

Package height	345 mm
Package weight	5.45 kg

Packaging content

Keyboard included	✓
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Logistics data

Harmonized System (HS) code	8471300000
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Other features

Number of speakers	2
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Technical details

EAN/UPC/GTIN identifier(s)	197192578544
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