



# OMEN by HP 17-cm2001na Laptop 43.9 cm (17.3") Quad HD Intel® Core™ i7 i7-13700HX 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN by HP

Product code: 7K840EA

Product name : 17-cm2001na



- 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™ 4060 Laptop GPU (8 GB GDDR6 dedicated)
  - 16 GB memory; 1 TB SSD storage
- OMEN by HP Laptop 17-cm2001na, Windows 11 Home, 17.3", Intel® Core™ i7, 16GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4060, QHD, Shadow black

OMEN by HP 17-cm2001na Laptop 43.9 cm (17.3") Quad HD Intel® Core™ i7 i7-13700HX 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 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<sup>[1]</sup> 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<sup>[2]</sup>.



Design		Network	
Colour name	Shadow black	Ethernet LAN data rates	10,100,1000 Mbit/s
Product type *	Laptop	Bluetooth	✓
Product colour *	Black	Bluetooth version	5.3
Form factor *	Clamshell	MIMO	✓
Market positioning	Gaming	MIMO type	Multi User MIMO
Introduction year	2023	Cabling technology	10/100/1000Base-T(X)
Introduction month	2	<b>Ports &amp; interfaces</b>	
Product design	Paint finish cover and base, sandblasted keyboard frame	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Original brand name	HP	Ethernet LAN (RJ-45) ports	1
<b>Display</b>		HDMI ports quantity *	1
Display diagonal *	43.9 cm (17.3")	HDMI version	2.1
Display resolution *	2560 x 1440 pixels	Mini DisplayPorts quantity	1
Touchscreen *	✗	Thunderbolt 3 ports quantity	1
HD type	Quad HD	Combo headphone/mic port	✓
Panel type	IPS	Charging port type	USB Type-C
LED backlight	✓	USB Type-C DisplayPort Alternate Mode	✓
Native aspect ratio	16:9	USB Power Delivery	✓
Anti-glare screen	✓	USB Sleep-and-Charge	✓
Display bezel technology	Micro-Edge	USB Sleep-and-Charge ports	2
Display brightness	300 cd/m <sup>2</sup>	<b>Performance</b>	
Display diagonal (metric)	43.9 cm	Temperature sensor	✓
RGB colour space	sRGB	<b>Keyboard</b>	
Colour gamut	100%	Pointing device	Touchpad
Display response rise/fall	3 ms	Numeric keypad *	✗
Maximum refresh rate	165 Hz	Keyboard backlit	✓
<b>Processor</b>		Keyboard backlit colour	RGB
Processor manufacturer *	Intel	Full-size keyboard	✓
Processor generation	13th gen Intel® Core™ i7		
Processor family *	Intel® Core™ i7		
Processor model *	i7-13700HX		

<b>Processor</b>		<b>Software</b>	
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	<b>Processor special features</b>	
<b>Memory</b>		Intel Flex Memory Access	✓
Internal memory *	16 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 form factor	SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory layout (slots x size)	2 x 8 GB	Intel Virtualization Technology (VT-x)	✓
Memory slots (available)	2	<b>Brand-specific features</b>	
Number of free internal memory expansion slots	2	HP Audio Boost	✓
ECC	✗	HP speaker type	HP Dual Speakers
Non-ECC	✓	HP Smart AC Adapter	✓
<b>Storage</b>		HP Imagepad	✓
Total storage capacity *	1 TB	HP front camera	HP Wide Vision HD
Storage media *	SSD	HP Security tools	Trusted Platform Module (Firmware TPM) support
Total SSDs capacity	1 TB	HP Software provided	HP Support Assistant; HP Connection Optimizer; HP QuickDrop; MyHP; OMEN Gaming Hub
Number of SSDs installed	1	HP segment	Home
SSD capacity	1 TB	<b>Battery</b>	
SSD memory type	TLC	Battery technology	Lithium Polymer (LiPo)
SSD interface	PCI Express	Number of battery cells	6
NVMe	✓	Battery capacity *	83 Wh
SSD form factor	M.2	Battery life (max)	5.25 h
Optical drive type *	✗	Continuous video playback time	6.5 h
Card reader integrated	✓	Fast charging	✓
Compatible memory cards	SD	Fast charging time (50%)	30 min
<b>Graphics</b>		Battery weight	315 g
Discrete GPU manufacturer	NVIDIA	<b>Power</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 3060	AC adapter power	330 W
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
Discrete graphics card *	✓	AC adapter input voltage	100 - 240 V
On-board graphics card family	Intel® UHD Graphics	<b>Security</b>	
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	8 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	BIOS, Power on, User
<b>Audio</b>		<b>Sustainability</b>	
Audio system	B&O PLAY	Sustainability certificates	EPEAT Silver
Built-in speaker(s)	✓	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
Number of built-in speakers	2	<b>Weight &amp; dimensions</b>	
Speakers manufacturer	Bang & Olufsen	Width	397.1 mm
Built-in microphone	✓	Depth	262 mm
Number of microphones	2	Height	27 mm
<b>Camera</b>		Weight *	2.78 kg
Front camera	✓		
Front camera HD type	HD		
<b>Network</b>			
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		

Network	
Ethernet LAN	✓

  

Packaging data	
Package width	69 mm
Package depth	624 mm
Package height	345 mm
Package weight	5.45 kg

  

Packaging content	
Keyboard included	✓

  

Logistics data	
Harmonized System (HS) code	8471300000

  

Other features	
Number of speakers	2

  

Technical details	
EAN/UPC/GTIN identifier(s)	197192578568



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