



# OMEN by HP 17-cm2000na Intel® Core™ i7 i7-13700HX Laptop 43.9 cm (17.3") Quad HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : HP

Product family: OMEN by HP

Product code: 7K837EA

Product name : 17-cm2000na

- 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™ 4070 Laptop GPU (8 GB GDDR6 dedicated)
  - 16 GB memory; 1 TB SSD storage
- OMEN by HP Laptop 17-cm2000na, Windows 11 Home, 17.3", Intel® Core™ i7, 16GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4070, QHD, Shadow black

OMEN by HP 17-cm2000na Intel® Core™ i7 i7-13700HX Laptop 43.9 cm (17.3") Quad HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 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 cover and base, shadow black aluminum keyboard frame	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	
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
Display		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
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 <sup>2</sup>	USB Sleep-and-Charge ports	2
Display diagonal (metric)	43.9 cm	Performance	
RGB colour space	sRGB	Motherboard chipset	Intel HM770
Colour gamut	100%	Temperature sensor	✓
Display response rise/fall	3 ms	Keyboard	
Maximum refresh rate	165 Hz	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel® Core™ i7	Keyboard backlit colour	RGB
Processor generation	13th gen Intel® Core™ i7	Full-size keyboard	✓
Processor model *	i7-13700HX		
Processor cores	16		

<b>Processor</b>		<b>Software</b>	
Processor threads	24	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 boost frequency	5 GHz		
Processor cache	30 MB	Trial software	25 GB Dropbox storage for 12 months
Processor cache type	Smart Cache		
Bus type	DMI4		
Configurable TDP-down	45 W	Operating system installed *	Windows 11 Home
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	DDR5-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	4800 MHz	CPU configuration (max)	1
Memory form factor	SO-DIMM	Embedded options available	✗
Memory layout (slots x size)	2 x 8 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	<b>Brand-specific features</b>	
ECC	✗	HP Audio Boost	✓
Non-ECC	✓	HP speaker type	HP Dual Speakers
<b>Storage</b>		HP Smart AC Adapter	✓
Total storage capacity *	1 TB	HP Imagepad	✓
Storage media *	SSD	HP front camera	HP Wide Vision HD
Total SSDs capacity	1 TB	HP Security tools	Trusted Platform Module (Firmware TPM) support
Number of SSDs installed	1	HP Software provided	HP Support Assistant; HP Connection Optimizer; HP QuickDrop; MyHP; OMEN Gaming Hub
SSD capacity	1 TB	HP segment	Home
SSD memory type	TLC	HP GTIN (EAN/UPC)	197192578551
SSD interface	PCI Express	<b>Battery</b>	
NVMe	✓	Battery technology	Lithium Polymer (LiPo)
SSD form factor	M.2	Number of battery cells	6
Optical drive type *	✗	Battery capacity *	83 Wh
Card reader integrated	✓	Battery life (max)	5.25 h
Compatible memory cards	SD	Continuous video playback time	6.5 h
<b>Graphics</b>		Fast charging	✓
Discrete GPU manufacturer	NVIDIA	Fast charging time (50%)	30 min
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Battery weight	315 g
Discrete graphics card memory	8 GB	<b>Power</b>	
Discrete graphics memory type	GDDR6	AC adapter power	330 W
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
On-board GPU manufacturer	Intel	AC adapter input voltage	100 - 240 V
Discrete graphics card *	✓	<b>Security</b>	
On-board graphics card family	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
On-board graphics card model *	Intel® UHD Graphics	Password protection	✓
<b>Audio</b>		Password protection type	BIOS, Power on, User
Audio system	B&O PLAY	<b>Sustainability</b>	
Built-in speaker(s)	✓	Sustainability certificates	EPEAT Silver
Number of built-in speakers	2	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
Speakers manufacturer	Bang & Olufsen	<b>Weight &amp; dimensions</b>	
Built-in microphone	✓	Width	397.1 mm
Number of microphones	2	Depth	262 mm
<b>Camera</b>		Height	27 mm
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		
Ethernet LAN	✓		

Network		Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	2.78 kg
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



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