



OMEN by HP 17-cm2001na Intel® Core™ i7 i7-13700HX Laptop 43.9 cm (17.3") Quad HD 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 Intel® Core™ i7 i7-13700HX Laptop 43.9 cm (17.3") Quad HD 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^[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 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 ² | 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 | | |

| | | | |
|--|-------------------------|---|--|
| Processor | | Software | |
| 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 | Operating system installed * | Windows 11 Home |
| Configurable TDP-down | 45 W | | |
| Memory | | Processor special features | |
| 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 | Brand-specific features | |
| ECC | ✗ | HP Audio Boost | ✓ |
| Non-ECC | ✓ | HP speaker type | HP Dual Speakers |
| Storage | | 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) | 197192578568 |
| SSD interface | PCI Express | Battery | |
| 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 |
| Graphics | | Fast charging | ✓ |
| Discrete GPU manufacturer | NVIDIA | Fast charging time (50%) | 30 min |
| Discrete graphics card model * | NVIDIA GeForce RTX 3060 | Battery weight | 315 g |
| Discrete graphics card memory | 8 GB | Power | |
| 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 * | ✓ | Security | |
| On-board graphics card family | Intel® UHD Graphics | Trusted Platform Module (TPM) | ✓ |
| On-board graphics card model * | Intel® UHD Graphics | Password protection | ✓ |
| Audio | | Password protection type | BIOS, Power on, User |
| Audio system | B&O PLAY | Sustainability | |
| 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 | Weight & dimensions | |
| Built-in microphone | ✓ | Width | 397.1 mm |
| Number of microphones | 2 | Depth | 262 mm |
| Camera | | Height | 27 mm |
| Front camera | ✓ | | |
| Front camera HD type | HD | | |
| 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 | ✓ | | |

| 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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