



HP E2ZS0EA laptop 40.6 cm (16") 2.5K 32 GB DDR5-SDRAM Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : HP

Product code: E2ZS0EA

Product name : E2ZS0EA

- Intel Core Ultra 7 270HX Plus (up to 5.3 GHz with Intel Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)
- Windows 11 Home
- 40.6 cm (16") diagonal 2.5K OLED display
- NVIDIA GeForce RTX 5070 Laptop GPU (12 GB GDDR7 dedicated)
- 32 GB DDR5-5600 MT/s (2 x 16 GB), 1 TB PCIe Gen5 NVMe M.2 SSD
HyperX OMEN MAX 16 inch Gaming Laptop PC 16-ah1001na, Windows 11 Home, 16", Intel Core Ultra 7, 32GB RAM, 1TB SSD, NVIDIA GeForce RTX 5070 Ti, 2.5K, Shadow black



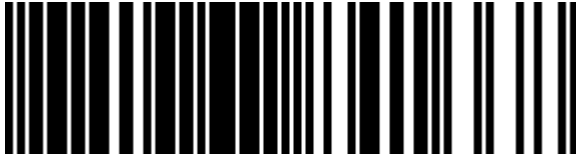
HP E2ZS0EA laptop 40.6 cm (16") 2.5K 32 GB DDR5-SDRAM Wi-Fi 7 (802.11be) Windows 11 Home Black:

Claim the power. Own the speed.

The HyperX OMEN MAX 16 gaming laptop provides unparalleled performance both at-home or on-the-go. With NVIDIA GeForce RTX 50 Series GPUs and Intel Core Ultra CPUs^[1], a new Unleashed Mode for manual overclocking, and a thermal architecture built to cut down on both throttling and long term wear, dedicated gamers can achieve their best for years to come.

Design		Ports & interfaces	
Colour name	Shadow black	HDMI ports quantity *	1
Product colour *	Black	HDMI version	2.1
Form factor *	Clamshell	Thunderbolt 4 ports quantity	2
Display		Intel® Thunderbolt 4	✓
Display diagonal *	40.6 cm (16")	Microphone in	✓
Display resolution *	2560 x 1600 pixels	Combo headphone/mic port	✓
Touchscreen *	✗	USB Sleep-and-Charge	✓
HD type	2.5K	USB Sleep-and-Charge ports	2
Display technology marketing name	UWVA	Performance	
Native aspect ratio	16:10	Motherboard chipset	Intel HM870
Display surface	Gloss	Temperature sensor	✓
Display bezel technology	Micro-Edge	Keyboard	
Display brightness	500 cd/m ²	Pointing device	Touchpad
RGB colour space	DCI-P3	Numeric keypad *	✓
Colour gamut	100%	Keyboard backlit	✓
Maximum refresh rate	240 Hz	Keyboard backlit colour	RGB
DCI-P3 coverage	100%	Keyboard backlit zone	Per-key RGB
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Keyboard colour name	Shadow black
Processor cores	20	Software	
Processor threads	20	Trial software	100 GB Dropbox storage for 3 months
Processor boost frequency	5.3 GHz	Operating system installed *	Windows 11 Home
Processor cache	30 MB	Processor special features	
Processor cache type	L3	Intel® Turbo Boost Technology	✓
Neural processor unit (NPU)		Brand-specific features	
Neural processor unit (NPU)	Intel AI Boost	HP Audio Boost	✓
NPU performance up to	13 TOPs	HP speaker type	HP Dual Speakers
Memory			
Internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		

Memory		Brand-specific features	
Memory clock speed	5600 MHz	HP Imagepad	✓
Memory form factor	SO-DIMM	HP Security tools	Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Memory layout (slots x size)	2 x 16 GB	HP Software provided	HP Connection Optimizer; OMEN Gaming Hub
Memory slots (available)	2	HP segment	Home
Non-ECC	✓	HP GTIN (EAN/UPC)	881767841668
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card memory	12 GB	Number of battery cells	6
Discrete graphics memory type	GDDR7	Battery capacity *	83 Wh
Discrete graphics card *	✓	Fast charging	✓
Audio		Fast charging time (50%)	30 min
Audio system	DTS:X Ultra	Power	
Built-in speaker(s)	✓	AC adapter power	460 W
Number of built-in speakers	2	USB Type-C charging port *	✓
Built-in microphone	✓	USB Power Delivery (USB PD)	✓
Number of microphones	2	Security	
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Sustainability	
Front camera resolution	1920 x 1080 pixels	Sustainable technologies and materials	Ocean-bound plastic in bezel; Recycled metal in cover, base and hinge cap(s); Keyboard keycaps, scissors and keyboard plate contain post-consumer recycled materials
Front camera HD type	Full HD		
Infrared (IR) camera	✓	Weight & dimensions	
Network		Width	356.5 mm
Wi-Fi	✓	Depth	269 mm
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Height (front)	2.61 cm
Wi-Fi standards	Wi-Fi 7 (802.11be)	Height (rear)	2.87 cm
Antenna type	2x2	Weight *	2.97 kg
WLAN controller model	MediaTek MT7925	Packaging data	
WLAN controller manufacturer	MediaTek	Package width	109 mm
Ethernet LAN	✓	Package depth	428 mm
Ethernet LAN data rates	2500,10,100,1000 Mbit/s	Package height	332 mm
Bluetooth	✓	Package weight	5.86 kg
Bluetooth version	6.0	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Keyboard included	✓
USB4 Gen 3x2 ports quantity	2	Technical details	
		General Product Safety Regulation (GPSR) URL https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true ; HP REG 23010, 08028 Barcelona, Spain ; reg@hp.com	
Other features			
UNSPSC-code		43211503	
Memory module type		SODIMM	



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