



NOTEBOOK

Raider 16 HX B2W

RAIDER 16 HX B2WH-2531D

Specification

CPU	Intel® Core™ Ultra 7 processor 255HX with Intel® AI Boost (NPU) 20 cores (8 P-cores + 12 E-cores), 20 threads, 30MB L3 cache, Max Turbo Frequency 5.2 GHz Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Operating Systems	16" QHD+(2560x1600), 240Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical)
Display	Intel® HM870
Chipset	NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU powers advanced AI with 992 AI TOPS 2220MHzx Up to Boost Clock 140W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
Discrete Graphics	12GB GDDR7
Video Memory	Max. 215W CPU-GPU Power with MSI OverBoost Technology. *Full Power CPU & GPU
CPU and GPU Combined Power	16GB*1 DDR5 *The actual frequency will vary by memory combination and CPU capability.
Memory	Up to DDR5-6400, 2 Slots, Max 128GB
Memory Slot and Max Capacity	1TB*1 NVMe SSD PCIe Gen4
Storage	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
Storage Slot	24-Zone RGB Gaming Keyboard with Copilot Key
Keyboard	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
WebCam	2x 2W Audio Speaker 2x 2W Audio Woofer Hi-Res Audio Ready, Nahimic 3 Audio Enhancer, Sound by Dynaudio Array Microphone
Audio	1x Mic-in/Headphone-out Combo Jack
Audio Port	3x Type-A USB3.2 Gen2 2x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.1)
USB Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Video Ports	1x SD Express Card Reader
Card Reader	2.5 Gigabit Ethernet
LAN	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Wi-Fi/ Bluetooth	Firmware Trusted Platform Module(fTPM) 2.0, Kensington Lock, Webcam Shutter
Security	280W
Adapter	4-Cell 91.8 Whrs
Battery	363 x 269.7 x 21.95 - 25.85 mm mm
Dimension (WDXH)	2.45 kg
Weight (W/ Battery)	Core Black
Chassis Color	3 years limited warranty 1 year accidental damage protection warranty
Warranty	