GAMING & CREATION LAPTOPS

Raider 16 Max HX B2W

RAIDER 16 MAX HX B2WJ-652PHY

Specification

CPU	Intel® Core™ Ultra 9 processor 290HX Plus with Intel® AI Boost (NPU) 24 cores (8 P-cores + 16 E-cores), 24 threads, 36MB Intel® Smart Cache, Max Turbo Frequency 5.5 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	16" QHD+(2560x1600), 240Hz Refresh Rate, OLED, 100% DCI-P3(Typical), SGS Eye Care Display, VESA DisplayHDR™ True Black 1000 Certified
Chipset	Intel® HM870
Discrete Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU powers advanced AI with 1824 AI TOPS 2160MHzx Up to Boost Clock 175W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Power Efficiency
Video Memory	24GB GDDR7
CPU and GPU Combined Power	Max. 300W CPU-GPU Power with MSI OverBoost Technology. *Full Power CPU & GPU
Memory	32GB*2 *The actual frequency will vary by memory combination and CPU capability.
Memory Slot and Max Capacity	Up to DDR5-6400, 2 Slots, Up to 128GB
Storage	2TB*1 NVMe SSD PCIe Gen4
Storage Slot	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key
WebCam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Audio	2x 2W Audio Speaker 2x 2W Audio Woofer Hi-Res Audio Ready, Nahimic 3 Audio Enhancer, Sound by Dynaudio Array Microphone
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	3x Type-A USB3.2 Gen2 2x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.1)
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Card Reader	1x SD Express Card Reader
LAN	2.5 Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Security	Firmware Trusted Platform Module(fTPM) 2.0, Kensington Lock, Webcam Shutter
Adapter	400W
Battery	4-Cell 91.8 Whrs
Dimension (WXDXH)	363 x 269.7 x 21.95 - 28.85 mm mm
Weight (W/ Battery)	2.6 kg
Chassis Color	Core Black
Warranty	2 years limited warranty

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