



## Specification

<b>CPU</b>	Intel® Core™ Ultra 9 processor 275HX with Intel® AI Boost (NPU) 24 cores (8 P-cores + 16 E-cores), 24 threads, 36MB L3 cache, Max Turbo Frequency 5.4 GHz
<b>Operating Systems</b>	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
<b>Display</b>	17" QHD+(2560x1600), 240Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical)
<b>Chipset</b>	Intel® HM870
<b>Discrete Graphics</b>	NVIDIA® GeForce RTX™ 5090 Laptop GPU powers advanced AI with 1824 AI TOPS Up to 2160MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
<b>Video Memory</b>	24GB GDDR7
<b>CPU and GPU Combined Power</b>	Max. 250W CPU-GPU Power with MSI OverBoost Ultra Technology.
<b>Memory</b>	16GB*2 DDR5 *The actual frequency will vary by memory combination and CPU capability.
<b>Memory Slot and Max Capacity</b>	Up to DDR5-6400, 2 Slots, Max 96GB
<b>Storage</b>	1TB*1 NVMe SSD PCIe Gen4 "Please consult service center for upgrading SSD."
<b>Storage Slot</b>	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
<b>Keyboard</b>	24-Zone RGB Gaming Keyboard with Copilot Key
<b>Touchpad</b>	Silky Smooth Touchpad
<b>WebCam</b>	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
<b>Audio</b>	2x 2W Audio Speaker Nahimic 3 Audio Enhancer, Hi-Res Audio Ready Array Microphone
<b>Audio Port</b>	1x Mic-in/Headphone-out Combo Jack
<b>USB Ports</b>	2x Type-A USB3.2 Gen2 2x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1)
<b>Video Ports</b>	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
<b>Card Reader</b>	1x SD Express Card Reader
<b>LAN</b>	2.5 Gigabit Ethernet
<b>Wi-Fi/ Bluetooth</b>	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
<b>Security</b>	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, Kensington Lock
<b>cmsfront_lang_auto_spec.sku_column_group_nb_Adapter</b>	330W Adaptor
<b>Battery</b>	4-Cell 90 Whrs
<b>Dimension (WxDxH)</b>	380.34 x 297.97 x 22.85-28.75 mm
<b>Weight (W/ Battery)</b>	3 kg
<b>Chassis Color</b>	Cosmos Gray
<b>Certification</b>	Meta Ready
<b>Warranty</b>	2 years limited warranty