

## Specification

<b>CPU</b>	Intel® Core™ i9 processor 14900HX 24 cores (8 P-cores + 16 E-cores), Max Turbo Frequency 5.8 GHz
<b>Operating Systems</b>	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
<b>Display</b>	18" UHD+(3840x2400), 120Hz Refresh Rate, Mini LED, IPS-Level, VESA DisplayHDR™ 1000 Certified, 100% DCI-P3(Typical)
<b>Chipset</b>	Intel® HM770
<b>Discrete Graphics</b>	NVIDIA® GeForce RTX™ 4090 Laptop GPU powers advanced AI with 686 AI TOPS Up to 2040MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. Max. 270W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario *Full-Power GPU Design
<b>Video Memory</b>	16GB GDDR6
<b>CPU and GPU Combined Power</b>	Max. 270W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
<b>Memory</b>	32GB*2 DDR5-5600 *Vary by Memory capacity
<b>Memory Slot and Max Capacity</b>	DDR5, 4 Slots, Max 192GB
<b>Storage</b>	1TB*3 NVMe SSD PCIe Gen4
<b>Storage Slot</b>	2x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
<b>Keyboard</b>	Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key
<b>Touchpad</b>	RGB Haptic Touchpad
<b>WebCam</b>	IR FHD type (30fps@1080p) with HDR 3D Noise Reduction+ (3DNR+)
<b>Audio</b>	4x 2W Audio Speaker 2x 2W Audio Woofer Sound by Dynaudio, 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>	3x Type-A USB3.2 Gen2 1x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.1) 1x Thunderbolt™ 4 (DisplayPort™)
<b>Video Ports</b>	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
<b>Card Reader</b>	1x SD Express Card Reader
<b>LAN</b>	Intel® Killer™ Ethernet E3100 2.5 Gbps
<b>Wi-Fi/ Bluetooth</b>	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
<b>Security</b>	Discrete Trusted Platform Module(dTPM) 2.0, Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, Kensington Lock
<b>AC Adapter</b>	400W Adaptor
<b>Battery</b>	4-Cell 99.9 Whrs
<b>Dimension (WXDXH)</b>	404 x 307.5 x 24-32.05 mm
<b>Weight (W/ Battery)</b>	3.6 kg
<b>Chassis Color</b>	Core Black
<b>Certification</b>	Meta Ready
<b>Warranty</b>	2 years limited warranty