

## Specification

<b>CPU</b>	AMD Ryzen™ 9 9955HX3D processor 16 core, 32 threads, 144MB total cache, up to 5.4 GHz Max Boost
<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>	Integrated SoC
<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. 260W CPU-GPU Power with MSI OverBoost Ultra Technology. *Full Power CPU & GPU
<b>Memory</b>	32GB*2 DDR5 *The actual frequency will vary by memory combination and CPU capability.
<b>Memory Slot and Max Capacity</b>	Up to DDR5-5600, 2 Slots, Max 96GB
<b>Storage</b>	2TB*1 NVMe SSD PCIe Gen5
<b>Storage Slot</b>	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
<b>Keyboard</b>	Per-Key RGB Gaming Keyboard by SteelSeries 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>	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>	2x Type-A USB3.2 Gen1 1x Type-A USB3.2 Gen2 2x Type-C (USB4® / DisplayPort™ / Power Delivery 3.1/ Thunderbolt™ 4 compatible)
<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>	Wi-Fi 7 , Bluetooth v5.4
<b>Sensor</b>	1x Fingerprint
<b>Security</b>	Fingerprint Security, Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, Kensington Lock, Microsoft Pluton Security Technology
<b>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>Warranty</b>	2 years limited warranty
<b>Xbox Game Pass</b>	One month of PC Game Pass *Spec and bundle offer may vary by model and by country. Please refer to the final specification of the product purchased for Xbox Game Pass pre-installed details.