

## Specification

<b>CPU</b>	12th Gen Intel® Core™ i9-12900HX processor 16 cores (8 P-cores + 8 E-cores), Max Turbo Frequency 5.0 GHz
<b>Operating Systems</b>	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
<b>Display</b>	17.3" UHD 4K(3840x2160), 120Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical)
<b>Chipset</b>	Intel® HM670
<b>Discrete Graphics</b>	NVIDIA® GeForce RTX™ 3080 Ti Laptop GPU Up to 1640MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. Max. 250W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
<b>Video Memory</b>	16GB GDDR6
<b>Memory</b>	32GB*2, DDR5
<b>Memory Slot and Max Capacity</b>	4 Slots, Max 128GB
<b>Storage</b>	2TB*1 NVMe SSD PCIe Gen4
<b>Storage Slot</b>	3x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
<b>WebCam</b>	IR HD type (30fps@720p)
<b>Keyboard</b>	Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries
<b>Security</b>	Fingerprint Security
<b>LAN</b>	Intel® Killer™ Ethernet E3100 (up to 2.5GbE)
<b>Wi-Fi/ Bluetooth</b>	Intel® Killer™ Wi-Fi 6E AX1675, Bluetooth v5.3
<b>Audio</b>	2x 2W Audio Speaker 2x 2W Audio Woofer Sound by Dynaudio, Hi-Res Audio, Nahimic 3
<b>Audio Port</b>	1x Mic-in/Headphone-out Combo Jack
<b>USB Ports</b>	2x Type-C (USB / DP / Thunderbolt™ 4) 3x Type-A USB3.2 Gen2
<b>Card Reader</b>	1x SD Express
<b>Video Ports</b>	1x Mini Display Port 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
<b>Battery</b>	4-Cell 99.9 Whrs
<b>AC Adapter</b>	330W Adaptor
<b>Dimension (WxDxH)</b>	397 x 330 x 23 mm
<b>Weight (W/ Battery)</b>	3.3 kg
<b>Chassis Color</b>	Core Black
<b>Certification</b>	VR Ready, Meta Ready