



Specification

CPU	13th Gen Intel® Core™ i9-13900H processor 14 cores (6 P-cores + 8 E-cores), Max Turbo Frequency 5.4 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Microsoft Office	Microsoft Office Home & Student 2021 included
Display	17.3" UHD 4K(3840x2160), 144Hz Refresh Rate, Mini LED, IPS-Level, VESA DisplayHDR™ 1000 Certified, 100% DCI-P3(Typical)
Chipset	Integrated SoC
Discrete Graphics	NVIDIA® GeForce RTX™ 4090 Laptop GPU Up to 1455MHz Boost Clock 105W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
Video Memory	16GB GDDR6
Integrated Graphics	Intel® Iris® Xe
Memory	16GB*2, DDR5-5200
Memory Slot and Max Capacity	2 Slots, Max 64GB
Storage	2TB*1 NVMe SSD PCIe Gen4
Storage Slot	2x M.2 SSD slot (NVMe PCIe Gen4)
WebCam	IR FHD type (30fps@1080p)
Keyboard	Per-Key RGB Keyboard by SteelSeries
Security	Fingerprint Security, Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter
Sensor	x1 Fingerprint
LAN	Intel® Killer™ Ethernet E3100 (up to 2.5GbE)
Wi-Fi/ Bluetooth	Intel® Killer™ Wi-Fi 6E AX1675, Bluetooth v5.3
Audio	2x 2W Audio Speaker 4x 2W Audio Woofer Nahimic 3 Audio Enhancer, Hi-Res Audio Ready
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	1x Type-C (USB3.2 Gen2 / DP) 1x Type-C (USB / DP / Thunderbolt™ 4) with PD charging 2x Type-A USB3.2 Gen2
Card Reader	1x SD Express
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Battery	4-Cell 99.9 Whrs
AC Adapter	240W Adaptor
Dimension (WxDXH)	397.6 x 283.5 x 20.1~20.8 mm
Weight (W/ Battery)	2.8 kg
Chassis Color	Black
Certification	Meta Ready
Warranty	3 years limited warranty