

Specification

CPU	Intel® Core™ Ultra 9 processor 185H with Intel® AI Boost (NPU) 16 cores (6 P-cores + 8 E-cores + 2 Low Power E-cores), Max Turbo Frequency 5.1 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	16" UHD+(3840x2400), 120Hz 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
Memory	32GB*2, DDR5-5600 *Vary by Memory capacity
Memory Slot and Max Capacity	2 Slots, Max 96GB
Storage	2TB*1 NVMe SSD PCIe Gen4
Storage Slot	2x M.2 SSD slot (NVMe PCIe Gen4)
WebCam	IR FHD type (30fps@1080p) with HDR 3D Noise Reduction+ (3DNR+)
Keyboard	Single Backlit Keyboard (White)
Touchpad	Silky Smooth Touchpad
Security	Fingerprint Security, Discrete Trusted Platform Module(dTPM) 2.0, Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, NA, Kensington Lock
Sensor	x1 Fingerprint
LAN	Intel® Killer™ Ethernet E3100 2.5 Gbps
Wi-Fi/ Bluetooth	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Audio	2x 2W Audio Speaker 4x 2W Audio Woofer Sound by Dynaudio, Hi-Res Audio Ready, DTS Audio Processing
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 1x Type-A USB3.2 Gen2
Card Reader	1x Micro SD
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Battery	4-Cell 99.9 Whrs
AC Adapter	240W Adaptor
Dimension (WXDXH)	355.8 x 259.7 x 19.95 mm
Weight (W/ Battery)	1.99 kg
Chassis Color	Lunar Gray
Certification	Meta Ready, MIL-STD-810H/G
Warranty	2 years limited warranty