

## Specification

<b>CPU</b>	13th Gen Intel® Core™ i9-13950HX processor 24 cores (8 P-cores + 16 E-cores), Max Turbo Frequency 5.5 GHz
<b>Operating Systems</b>	Windows 11 Pro
<b>Display</b>	17" QHD+(2560x1600), 165Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical), Support MSI Pen (Optional), Touchscreen
<b>Chipset</b>	Intel® HM770
<b>Discrete Graphics</b>	NVIDIA RTX™ 3000 Ada Laptop GPU (8GB GDDR6) powers advanced AI with 319 AI TOPS Up to 2160MHz Boost Clock 90W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
<b>Video Memory</b>	8GB GDDR6
<b>Memory</b>	32GB*2, Up to DDR5-5600
<b>Memory Slot and Max Capacity</b>	2 Slots, Max 64GB
<b>Storage</b>	2TB*1 NVMe SSD PCIe Gen4
<b>Storage Slot</b>	1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
<b>Keyboard</b>	Per-Key RGB Keyboard
<b>WebCam</b>	IR FHD type (30fps@1080p)
<b>Audio</b>	4x 2W Audio Speaker Sound by Dynaudio, Hi-Res Audio Ready
<b>Audio Port</b>	1x Mic-in/Headphone-out Combo Jack
<b>USB Ports</b>	1x Type-C (USB/ DP/ Thunderbolt™ 4) with PD charging 1x Type-C (USB/ DP/ Thunderbolt™ 4) 1x Type-C (USB / DP / Thunderbolt™ 4) with PD charging 1x Type-C (USB / DP / Thunderbolt™ 4) 1x Type-A USB3.2 Gen2
<b>Video Ports</b>	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
<b>Card Reader</b>	1x SD Express
<b>Wi-Fi/ Bluetooth</b>	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
<b>Sensor</b>	x1 Fingerprint x1 Ambient Light Sensor
<b>Security</b>	Fingerprint Security, Discrete Trusted Platform Module(dTPM) 2.0, Firmware Trusted Platform Module(fTPM) 2.0
<b>AC Adapter</b>	280W Adaptor
<b>Battery</b>	4-Cell 90 Whrs
<b>Dimension (WxDxH)</b>	382 x 260 x 19 mm
<b>Weight (W/ Battery)</b>	2.49 kg
<b>Chassis Color</b>	Lunar Gray
<b>Certification</b>	ISV Certification, Meta Ready
<b>Warranty</b>	3 years limited warranty