

## Specification

<b>CPU</b>	13th Gen Intel® Core™ i5-13420H processor 8 cores (4 P-cores + 4 E-cores), 12 threads, 12 MB Intel® Smart Cache, Max Turbo Frequency 4.6 GHz
<b>Operating Systems</b>	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
<b>Display</b>	15.6" FHD(1920x1080), 144Hz Refresh Rate, IPS-Level
<b>Chipset</b>	Integrated SoC
<b>Discrete Graphics</b>	NVIDIA® GeForce RTX™ 5050 Laptop GPU powers advanced AI 1500MHzx Up to Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Power Efficiency
<b>Video Memory</b>	8GB GDDR7
<b>Memory</b>	16GB*1 DDR5 *The actual frequency will vary by memory combination and CPU capability.
<b>Memory Slot and Max Capacity</b>	DDR5-5200, 2 Slots, Max 96GB
<b>Storage</b>	512GB*1 NVMe SSD PCIe Gen4 "Please consult service center for upgrading SSD."
<b>Storage Slot</b>	1x M.2 SSD slot (NVMe PCIe Gen4)
<b>Keyboard</b>	4-Zone RGB Gaming Keyboard with Copilot Key
<b>WebCam</b>	HD type (30fps@720p) with 3D Noise Reduction (3DNR)
<b>Audio</b>	2x 2W Audio Speaker DTS Audio Processing, 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 Gen2 1x Type-C (USB3.2 Gen2 / DisplayPort™ / Power Delivery 3.0)
<b>Video Ports</b>	1x HDMI™ 2.1 (4K @ 60Hz)
<b>LAN</b>	Gigabit Ethernet
<b>Wi-Fi/ Bluetooth</b>	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
<b>Security</b>	Firmware Trusted Platform Module(fTPM) 2.0, Kensington Lock, Webcam Shutter
<b>cmsfront_lang_auto_spec.skus_column_group_nb_Adapter</b>	120W Adaptor
<b>Battery</b>	4-Cell 55.2 Whrs
<b>Dimension (WXDXH)</b>	359.3 x 245.25 x 22.15-23.15 mm
<b>Weight (W/ Battery)</b>	2.1 kg
<b>Chassis Color</b>	Translucent Black
<b>Warranty</b>	2 years limited warranty