

## Specification

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| <b>CPU</b>                 | Intel® Core™ Ultra 9 processor 285H with Intel® AI Boost (NPU)<br>16 cores (6 P-cores + 8 E-cores + 2 Low Power E-cores), 16 threads, 24MB L3 cache, Max Turbo Frequency 5.4 GHz |
| <b>Operating Systems</b>   | Windows 11 Home (MSI recommends Windows 11 Pro for business.)  |
| <b>Microsoft Office</b>    | Microsoft 365 Basic + Office Home 2024 included  |
| <b>Display</b>             | 16" QHD+(2560x1600), 165Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical), Touchscreen, MSI Precision Pen Touch Technology (MPPT), Support MSI Pen 2 (Optional)                   |
| <b>Chipset</b>             | Integrated SoC   |
| <b>Integrated Graphics</b> | Intel® Arc™ graphics(*Intel® Arc™ graphics requires configuration with 16GB dual-channel memory or above.)   |
| <b>Discrete Graphics</b>   | NVIDIA® GeForce RTX™ 4050 Laptop GPU powers advanced AI with 194 AI TOPS<br>Up to 1605MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario       |
| <b>Video Memory</b>        | 6GB GDDR6  |
| <b>Memory</b>              | 32GB LPDDR5-6400, On board<br>*The actual frequency will vary by memory combination and CPU capability.  |
| <b>Storage</b>             | 1TB*1 NVMe SSD PCIe Gen4<br>"Please consult service center for upgrading SSD."   |
| <b>Storage Slot</b>        | 1x M.2 SSD slot (NVMe PCIe Gen4)   |
| <b>Keyboard</b>            | Single Backlit Keyboard (White) with Copilot Key   |
| <b>WebCam</b>              | IR FHD type (30fps@1080p) with HDR   |
| <b>Audio</b>               | 2x 2W Audio Speaker<br>Hi-Res Audio Ready, DTS Audio Processing<br>Spatial Array Microphone (3 Mic)  |
| <b>Audio Port</b>          | 1x Mic-in/Headphone-out Combo Jack   |
| <b>USB Ports</b>           | 1x Type-A USB3.2 Gen2<br>1x Type-C (USB3.2 Gen2 / DisplayPort™/ Power Delivery 3.0)<br>1x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.1)                                      |
| <b>Video Ports</b>         | 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)  |
| <b>Wi-Fi/ Bluetooth</b>    | Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4  |
| <b>Sensor</b>              | 1x Ambient Light Sensor<br>1x Gyroscope<br>1x Accelerometer<br>1x Magnetometer<br>1x Proximity Sensor<br>1x Fingerprint  |
| <b>Security</b>            | Fingerprint Security, Discrete Trusted Platform Module(dTPM) 2.0, Webcam Shutter   |
| <b>Adapter</b>             | 140W Adaptor   |
| <b>Battery</b>             | 4-Cell<br>82 Whrs  |
| <b>Dimension (WXDXH)</b>   | 358 x 258.55 x 16.9 -17.35 mm  |
| <b>Weight (W/ Battery)</b> | 2.1 kg   |
| <b>Chassis Color</b>       | Ink Black  |
| <b>Certification</b>       | MIL-STD-810H/G   |
| <b>Warranty</b>            | 2 years limited warranty   |