



Specification

CPU	Intel® Core™ Ultra 9 processor 285HX with Intel® AI Boost (NPU) 24 cores (8 P-cores + 16 E-cores), 24 threads, 36MB L3 cache, Max Turbo Frequency 5.5 GHz
Operating Systems	Windows 11 Pro
Display	18" UHD+(3840x2400), 120Hz Refresh Rate, Mini LED, IPS-Level, 100% DCI-P3(Typical)
Chipset	Intel® HM870
Discrete Graphics	NVIDIA® GeForce RTX™ 5080 Laptop GPU powers advanced AI with 1334 AI TOPS Up to 2287MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. Max. 270W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
Video Memory	16GB GDDR7
CPU and GPU Combined Power	Max. 270W CPU-GPU Power with MSI OverBoost Ultra Technology. *Full Power CPU & GPU
Memory	32GB*2 DDR5-6400 *The actual frequency will vary by memory combination and CPU capability.
Memory Slot and Max Capacity	Up to DDR5-6400, 2 Slots, Max 96GB
Storage	2TB*1 NVMe SSD PCIe Gen5 2TB*2 NVMe SSD PCIe Gen4
Storage Slot	3x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
Keyboard	Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key
Touchpad	RGB Haptic Touchpad
WebCam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Audio	4x 2W Audio Speaker 2x 2W Audio Woofer Sound by Dynaudio, Nahimic 3 Audio Enhancer, Hi-Res Audio Ready Array Microphone
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	3x Type-A USB3.2 Gen2 2x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1)
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Card Reader	1x SD Express Card Reader
LAN	2.5 Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Security	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, Secured-core PCs, Kensington Lock
cmsfront_lang_auto_spec.sku_column_group_nb_Adapter	400W Adaptor
Battery	4-Cell 99.9 Whrs
Dimension (WDXH)	404 x 307.5 x 24-32.05 mm
Weight (W/ Battery)	3.6 kg
Chassis Color	Core Black
Warranty	3 years limited warranty