

Specification

CPU	12th Gen Intel® Core™ i7-12650H processor 10 cores (6 P-cores + 4 E-cores), Max Turbo Frequency 4.7 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	15.6" FHD(1920x1080), 144Hz Refresh Rate, IPS-Level
Chipset	Integrated SoC
Discrete Graphics	NVIDIA® GeForce RTX™ 2050 Laptop GPU Up to 1170MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
Video Memory	4GB GDDR6
Memory	8GB*1 DDR4-3200
Memory Slot and Max Capacity	DDR4-3200, 2 Slots, Max 64GB
Storage	512GB*1 NVMe SSD PCIe Gen4 *Please consult service center for upgrading SSD."
Storage Slot	1x M.2 SSD slot (NVMe PCIe Gen4) 1x 2.5" SATA HDD
Keyboard	Single Backlit Keyboard (Blue)
WebCam	HD type (30fps@720p)
Audio	2x 2W Audio Speaker Hi-Res Audio Ready DTS Audio Processing
Audio Port	1x Mic-in, 1x Headphone-out
USB Ports	3x Type-A USB3.2 Gen1 1x Type-C (USB3.2 Gen1 / DisplayPort™)
Video Ports	1x HDMI™ (4K @ 30Hz)
LAN	Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Security	Firmware Trusted Platform Module(fTPM) 2.0, Kensington Lock
AC Adapter	120W Adaptor
Battery	3-Cell 52.4 Whrs
Dimension (WxDxH)	359 x 254 x 21.7 mm
Weight (W/ Battery)	1.86 kg
Chassis Color	Cosmos Gray
Warranty	2 years limited warranty