

OS	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Color	Titanium Dark Grey
CPU	Intel® Core™ i9-12900HX Processor
Chipset	Intel® HM670
Memory (Sales SKU)	DDR5, 64GB (32GB*2)
Memory (Max)	Up to DDR5, 4 Slots, up to 128GB
DISPLAY	15.6" QHD OLED 240Hz DCI-P3 100% Anti-Glare
GPU	NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU
VRAM	GDDR6 16GB
SSD CAPACITY (Sales SKU)	2TB*1 NVMe SSD
SSD CAPACITY (Max)	4 x NVMe M.2 SSD(1 PCIe Gen5x4 + 3 PCIe Gen4x4)
Webcam	IR HD type (30fps@720p)
COMMUNICATION	Intel® Killer E3100G Ethernet (up to 2.5 GbE) Intel® Killer Wi-Fi 6E AX1675, Bluetooth v5.2
Audio	The Duo Wave speakers design by Dynaudio system (2x 2W speakers) 1 x Audio combo jack Nahimic 3 Audio Enhancer Hi-Res Audio ready
Keyboard	Per-Key RGB gaming keyboard by SteelSeries
I/O PORTS	1x Thunderbolt™ 4 / DP/ USB Type-C 1x USB 3.2 Gen2 Type-C/DP 1x USB 3.2 Gen2 Type-A 2x USB 3.2 Gen1 Type-A 1x RJ45 1 x SD Express Memory Card Reader 1x HDMI 2.1 (8K @ 60Hz / 4K @ 120Hz) 1x Audio combo jack
Battery	4 Cell, Li-Polymer, 99.9Whr
AC Adapter	330W adapter
Dimension	358 x 267 x 23.4mm
Weight	2.38 kg
Manufacturer Warranty	2 Year Warranty