



NOTEBOOK I

Vector GP68 HX 12V

VECTOR GP68HX 12VH-211PL

Specification

CPU	12th Gen Intel® Core™ i9-12900HX processor 16 cores (8 P-cores + 8 E-cores), Max Turbo Frequency 5.0 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	16" QHD+(2560x1600), 240Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical)
Chipset	Intel® HM670
Discrete Graphics	NVIDIA® GeForce RTX™ 4080 Laptop GPU powers advanced AI with 542 AI TOPS Up to 2280MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. Max. 230W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
Video Memory	12GB GDDR6
CPU and GPU Combined Power	Max. 230W CPU-GPU Power with MSI OverBoost Technology. *OverBoost Ultra Technology for i9-13980HX Only. *May vary by scenario
Memory	8GB*2, DDR5-4800 *Vary by CPU and Memory combination
Memory Slot and Max Capacity	Max 64GB
Storage	1TB*1 NVMe SSD PCIe Gen4
Storage Slot	1x M.2 SSD slot (NVMe PCIe Gen3), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries
WebCam	IR HD type (30fps@720p)
Audio	2x 2W Audio Speaker Nahimic 3 Audio Enhancer Hi-Res Audio Ready
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	1x Type-A USB3.2 Gen1 1x Type-A USB3.2 Gen2 1x Type-C (USB3.2 Gen2 / DisplayPort™ / Power Delivery 3.0) 1x Type-C (USB3.2 Gen2 / DisplayPort™) 1x Thunderbolt™ 4 (DisplayPort™)
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Card Reader	1x SD Express
LAN	2.5 Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Security	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter
AC Adapter	330W Adaptor
Battery	4-Cell 90 Whrs 5845 Mah
Dimension (WxDxH)	357 x 284.05 x 22.20~28.55 mm
Weight (W/ Battery)	2.67 kg
Chassis Color	Cosmos Gray
Certification	Meta Ready
Warranty	2 years limited warranty
Xbox Game Pass	One month of PC Game Pass *Spec may vary by model. Please refer to the final spec of the product purchased for Xbox Game Pass pre-installed details.