



NOTEBOOK

Vector GP78 HX 13V

VECTOR GP78HX 13VG-097TR

Specification

CPU	13th Gen Intel® Core™ i9-13980HX processor 24 cores (8 P-cores + 16 E-cores), Max Turbo Frequency 5.6 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	17" QHD+(2560x1600), 240Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical)
Chipset	Intel® HM770
Discrete Graphics	NVIDIA® GeForce RTX™ 4070 Laptop GPU Up to 2175MHz Boost Clock 140W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design
CPU and GPU Combined Power	Max. 215W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
Video Memory	8GB GDDR6
Memory	16GB*2, Up to DDR5-5600 *Vary by CPU and Memory combination
Memory Slot and Max Capacity	2 Slots, Max 64GB
Storage	2TB*1 NVMe SSD PCIe Gen4
Storage Slot	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
WebCam	IR HD type (30fps@720p)
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries
Security	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter
LAN	2.5 Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
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-C (USB3.2 Gen2 / DP) 1x Type-C (USB / DP / Thunderbolt™ 4) 1x Type-C (USB3.2 Gen2 / DP) with PD charging 1x Type-A USB3.2 Gen1 1x Type-A USB3.2 Gen2
Card Reader	1x SD Express
Video Ports	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Battery	4-Cell 90 Whrs
AC Adapter	280W Adaptor
Dimension (WDXH)	380.34 x 297.97 x 23.55~29.45 mm
Weight (W/ Battery)	3 kg
Chassis Color	Cosmos Gray
Certification	Meta Ready
Warranty	2 years limited warranty