

Product Spec. :

Display Website spec.

Model	
Part No	9S7-17S222-200
SKU Number	
Website Name	Vector GP78HX 13VG
Brand	MSI
Platform	INTEL
Series Name	Gaming
Segment Name	GP
Segment Name2	GP78HX
Segment Name3	GP78HX 13VG
Model	17S2
MKT Name	Vector GP78HX 13VG
Entity MKT Name	
MKT Spec	Vector GP78HX 13VG-200CZ
System/Barebone	System
Chassis Color	
Color	ID2(GG)/Cosmos_Gray-Black-Cosmos_Gray-Cosmos_Gray
Color_Website	Cosmos Gray
Chassis Material	
A Side	Metal
B Side	Plastic
C Side	Metal
D Side	Plastic
Display	
Screen Size	17
Resolution	IPS-Level QHD+
Pixel	2560x1600
LCD Features	ANTI-GLARE
Screen Touch	Non-touch
Frame Rate	240Hz
Response Time	G to G 3ms
Color Range	100% DCI-P3
Screen Size_Website	17"
Pixel_Website	QHD+(2560x1600)
Frame Rate_Website	240Hz Refresh Rate
Color Range_Website	100% DCI-P3(Typical)
Display Type_Website	IPS-Level
HDR Value	N/A
Touch Feature_Website	NA
CPU	
CPU Type	N/A
CPU Core Name	RAPTOR LAKE
CPU Socket	FCBGA-1964pin
CPU Number	i9-13980HX
CPU Clock	2.2GHz
CPU Cores	N/A
CPU Core Name_Website	13th Gen Intel® Core™
CPU Number_Website	i9-13980HX processor
CPU Specification_Website	24 cores (8 P-cores + 16 E-cores), Max Turbo Frequency 5.6 GHz
Chipset	

Chipsets	HM770
Chipset SoC_Website	Intel® HM770
Discrete Graphics	
GPU1 Vendor	NVIDIA
GPU1 MKT Name	GeForce RTX 4070
GPU1 Number	RTX 4070
GPU1 MKT Name_Website	NVIDIA® GeForce RTX™ 4070 Laptop GPU
GPU1 Boost Clock_Website	Up to 2175MHz Boost Clock 140W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
GPU1 Remark_Website	*Full-Power GPU Design
CPU and GPU Combined Power	
Combined Power_Website	Max. 215W CPU-GPU Power with MSI OverBoost Technology.
OverBoost Ultra Remark_Website	N/A
Scenario Remark_Website	*May vary by scenario
Cooling	
Thermal	Cooler Boost 5
Fan	2
Pipe	6
Video Memory	
GPU1 VRAM Size	8GB
GPU1 VRAM Type	GDDR6
Integrated Graphics	
GPU1 Graphics_Website	Intel® UHD Graphics
Memory	
Memory Size	16GB*2
Memory Type	Up to DDR5-5600
Memory Speed	2800(5600)MHz
Memory Remark_Website	*Vary by CPU and Memory combination
Memory Slot and Max Capacity	
Memory Slot	2 Slots
Memory Max Capacity_Website	Max 64GB
Storage	
SSD Interface	PCIe GEN4x4 NVMe
SSD Form Factor	M.2-2280 M-KEY
SSD Size	1TB*1
HDD1 Interface	N/A
HDD1 Form Factor	N/A
HDD size	N/A
HDD1 RPM	N/A
ODD Type	N/A
Multi Bay	N/A
SSD Gen_Website	NVMe SSD PCIe Gen4
2.5" HDD_Website	N/A
SSD Remark	N/A
Storage Slot	
SSD (NVMe PCIe Gen)_Website	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
HDD_Website	N/A
Communications	
Accessory Lan_Website	Gb LAN (Up to 2.5G)
LAN	
LAN_Website	2.5G Gigabit Ethernet
LAN	REALTEK/RTL8125BG-CG

Wi-Fi/ Bluetooth	
WLAN/BT_Website	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
WLAN Version	Wi-Fi 6E+BT
WLAN/BT	INTEL/AX211.NGWG.NV
I/O Ports	
Audio Line In	N/A
Audio Line Out	N/A
Digital out SPDIF	N/A
RJ45	1x
USB Ports	
Type-C (USB3.1 Gen2 / DP / Thunderbolt™3 optional)	NA
Type-C (USB3.2 Gen2 / DP / Thunderbolt™3)	NA
Type-C (USB3.2 Gen1 / DP / Thunderbolt™3)	NA
Type-C (USB3.2 Gen2 / DP / Thunderbolt™3) with PD charging	NA
Type-C (USB3.2 Gen2 / DP)	1x
Type-C (USB / DP / Thunderbolt™ 4) with PD charging	NA
Type-C (USB / DP / Thunderbolt™ 4) with PD3.1 charging	N/A
Type-C (USB / DP / Thunderbolt™ 4)	1x
Type-C (USB / DP / Thunderbolt™) with PD charging	NA
Type-C (USB3.2 Gen2 / DP) with PD charging	1x
Type-C (USB3.2 Gen2 / DP) with PD3.1 charging	N/A
Type-C (USB3.1 Gen1 / DP)	NA
Type-C (USB3.2 Gen1 / DP)	NA
Type-C USB3.1 Gen2	NA
Type-C USB3.2 Gen2	NA
Type-C USB3.2 Gen2 with PD charging	NA
Type-C USB3.1 Gen1	NA
Type-C USB3.2 Gen1	NA
Type-A USB3.1 Gen1	NA
Type-A USB3.2 Gen1	1x
Type-A USB3.1 Gen1/ QC3.0	NA
Type-A USB3.2 Gen1/ QC3.0	NA
Type-A USB3.1 Gen2	NA
Type-A USB3.2 Gen2	1x
Type-C USB3.2 Gen2x2	NA
Type-A USB3.1	NA
Type-C USB3.0	N/A
Type-A USB3.0	NA
Type-A USB2.0	NA
USB3.2 Gen 2 Type-C(connect to computer)	NA
Card Reader	
CardReader	1x SD Express
Video Ports	
VGA Out	NA
HDMI™	1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
DisplayPort	NA
Mini Display Port	NA
Keyboard	

Keyboard Types_Website	Per-Key RGB Gaming Keyboard by SteelSeries
Keyboard Keys	99KEYS
Keyboard Backlit	Y
Keyboard Numeric	N/A
Keyboard Color	BLACK
Keyboard Language	CS Wleft Nokr
WebCam	
WebCam	IR HD type (30fps@720p)
Audio Port	
Audio Jack_Website	1x Mic-in/Headphone-out Combo Jack
Audio	
Audio Speaker	2x 2W
Audio Woofer	NA
Audio Solution_Website	Nahimic 3 Audio Enhancer, Hi-Res Audio Ready
AC Adapter	
Adaptor Output	280W adapter
Adaptor	280W
Adaptor Input	90-265Vin
Adaptor Unit Weight (g)	917
Power Cord Unit Weight (g)	195
Battery	
Battery Type	4CELLS/4S1P
Battery Cell_Website	4-Cell
Whrs	90
Battery Unit Weight (g)	360
Operating Systems	
OS	MULTI-LANGUAGE(WIN 11 HOME ADVANCED OLC OA3)
OS Type	W11MA
OS_Website	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Microsoft Office	
OS-Office_Website	N/A
Dimension (WXDXH)	
Dimension	380.34 x 297.97 x 23.55~29.45 mm
Dimension(Inches)_Website	14.97" x 11.73" x 23.55~29.45"
Weight (W/ Battery)	
Weight	3 kg
Weight(lbs)_Website	6.61 lbs
Weight (Docking)	N/A
Weight (lbs Docking)_Website	N/A
Security	
Security Type_Website	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter
Certification	
Certification Type_Website	Meta Ready
Sensor	
Fingerprint_Website	N/A
Ambient Light Sensor_Website	N/A
Gyroscope_Website	N/A
Accelerometer_Website	N/A
Magnetometer_Website	N/A
Warranty	
Warranty	24M
Warranty_Website	N/A

Accessory	
Accessory_Website	
Extra Bag	N/A
Extra Mouse	N/A
Remark	
Remark 1_Website	
Remark 2_Website	
Remark 3_Website	
Remark 4_Website	
Remark 5_Website	
Software	
Software	Killer Network, Nvidia GeForce Experience, True Color, Nahimic 3, Gaming Mode, MSI App Player, Noise Cancellation, Game Highlights, MSI Companion, Crosshair, Battery Master, MSI Center, Steelseries GG, Animaze, Discrete Graphics Mode, Smart Auto
Model Info	
Series Name	Gaming
Segment Name	GP
Segment Name2	GP78HX
Segment Name3	GP78HX 13VG
Barcode Info	
EAN	4711377124478
JAN	
UPC	
UCC14	

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