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**Vector  
GP78  
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reddot winner 2023



(/Laptop/Vector-GP78-HX-13VX/Gallery)

○ Differences are marked in red

	Vector GP78HX 13VI	Vector GP78HX 13VH	Vector GP78HX 13VG	Vector GP78HX 13VF
CPU	Up to 13th Gen Intel® Core™ i9 HX Processor	Up to 13th Gen Intel® Core™ i9 HX Processor	Up to 13th Gen Intel® Core™ i9 HX Processor	Up to 13th Gen Intel® Core™ i9 HX Processor
OS	Windows 11 Home (MSI recommends Windows 11 Pro for business.) Windows 11 Pro	Windows 11 Home (MSI recommends Windows 11 Pro for business.) Windows 11 Pro	Windows 11 Home (MSI recommends Windows 11 Pro for business.) Windows 11 Pro	Windows 11 Home (MSI recommends Windows 11 Pro for business.) Windows 11 Pro
DISPLAY	17" QHD+ (2560x1600), 240Hz, IPS-Level 17" FHD+ (1920x1200), 165Hz, IPS-Level	17" QHD+ (2560x1600), 240Hz, IPS-Level 17" FHD+ (1920x1200), 165Hz, IPS-Level	17" QHD+ (2560x1600), 240Hz, IPS-Level 17" FHD+ (1920x1200), 165Hz, IPS-Level	17" QHD+ (2560x1600), 240Hz, IPS-Level 17" FHD+ (1920x1200), 165Hz, IPS-Level
CHIPSET	Intel® HM770	Intel® HM770	Intel® HM770	Intel® HM770
GRAPHICS	NVIDIA® GeForce RTX™ 4090 Laptop GPU 16GB GDDR6 Up to 2040MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design	NVIDIA® GeForce RTX™ 4080 Laptop GPU 12GB GDDR6 Up to 2280MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design	NVIDIA® GeForce RTX™ 4070 Laptop GPU 8GB GDDR6 Up to 2175MHz Boost Clock 140W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design	NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 Up to 2370MHz Boost Clock 140W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design
CPU AND GPU COMBINED POWER	Max. 250W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario *OverBoost Ultra Technology for i9-13980HX Only.	Max. 250W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario *OverBoost Ultra Technology for i9-13980HX Only.	Max. 215W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario	Max. 215W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario
MEMORY	Max 64GB Up to DDR5-5600 2 Slots *Vary by CPU and Memory combination	Max 64GB Up to DDR5-5600 2 Slots *Vary by CPU and Memory combination	Max 64GB Up to DDR5-5600 2 Slots *Vary by CPU and Memory combination	Max 64GB Up to DDR5-5600 2 Slots *Vary by CPU and Memory combination
STORAGE CAPABILITY	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible	1x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
WEBCAM	IR HD type (30fps@720p)	IR HD type (30fps@720p)	IR HD type (30fps@720p)	IR HD type (30fps@720p)
KEYBOARD	Per-Key RGB Gaming Keyboard by SteelSeries	Per-Key RGB Gaming Keyboard by SteelSeries	Per-Key RGB Gaming Keyboard by SteelSeries	Per-Key RGB Gaming Keyboard by SteelSeries
COMMUNICATION	Gb LAN (Up to 2.5G) 802.11 ax Wi-Fi 6E + Bluetooth v5.3	Gb LAN (Up to 2.5G) 802.11 ax Wi-Fi 6E + Bluetooth v5.3	Gb LAN (Up to 2.5G) 802.11 ax Wi-Fi 6E + Bluetooth v5.3	Gb LAN (Up to 2.5G) 802.11 ax Wi-Fi 6E + Bluetooth v5.3
AUDIO	2x 2W Speaker	2x 2W Speaker	2x 2W Speaker	2x 2W Speaker
AUDIO JACK	1x Mic-in/Headphone-out Combo Jack	1x Mic-in/Headphone-out Combo Jack	1x Mic-in/Headphone-out Combo Jack	1x Mic-in/Headphone-out Combo Jack
I/O 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 1x SD Express Card Reader 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz) 1x RJ45	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 1x SD Express Card Reader 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz) 1x RJ45	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 1x SD Express Card Reader 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz) 1x RJ45	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 1x SD Express Card Reader 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz) 1x RJ45
SECURITY	Firmware Trusted Platform Module(fTPM) 2.0 Webcam Shutter	Firmware Trusted Platform Module(fTPM) 2.0 Webcam Shutter	Firmware Trusted Platform Module(fTPM) 2.0 Webcam Shutter	Firmware Trusted Platform Module(fTPM) 2.0 Webcam Shutter
BATTERY	4-Cell 90 Battery (Whr)	4-Cell 90 Battery (Whr)	4-Cell 90 Battery (Whr)	4-Cell 90 Battery (Whr)
AC ADAPTER	330W adapter	330W adapter	280W adapter	280W adapter
WEIGHT (W/ BATTERY)	3 kg	3 kg	3 kg	3 kg
DIMENSION (WXDXH)	380.34 x 297.97 x 23.55~29.45 mm	380.34 x 297.97 x 23.55~29.45 mm	380.34 x 297.97 x 23.55~29.45 mm	380.34 x 297.97 x 23.55~29.45 mm
COLOR	Cosmos Gray	Cosmos Gray	Cosmos Gray	Cosmos Gray