



## MSI Vector A18 HX A9WHG-081 AMD Ryzen™ 9 9955HX Laptop 45.7 cm (18") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey

**Brand :** MSI

**Product code:** VECTOR A18 HX A9WHG-081

**Product name :** Vector A18 HX A9WHG-081

- Windows 11 Home  
- AMD Ryzen 9 9955HX (64MB Cache, 2.5GHz)  
- 45.7 cm (18") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)  
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD  
AMD Ryzen 9 9955HX (64MB Cache, 2.5GHz), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") Quad HD+ 2560 x 1600, AMD Radeon 610M, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home

MSI Vector A18 HX A9WHG-081 AMD Ryzen™ 9 9955HX Laptop 45.7 cm (18") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey:

Engineered for the demands of STEM professionals, the Vector A18 HX combines cutting-edge performance with rock-solid stability. Powered by the latest AMD Ryzen™ 9 9955HX Processor and NVIDIA® GeForce RTX™ 5080 Laptop GPU, it operates like a high-tech brain, seamlessly integrating and analyzing complex data quickly and precisely. Whether you're developing software, analyzing data, or running simulations, the Vector A18 HX delivers the performance and reliability engineers need to excel in every challenge.



| Design                   |                    | Camera                                            |                    |
|--------------------------|--------------------|---------------------------------------------------|--------------------|
| Colour name              | Cosmos Gray        | Front camera resolution                           | 1920 x 1080 pixels |
| Product type *           | Laptop             | Front camera HD type                              | Full HD            |
| Product colour *         | Grey               | Video capturing speed                             | 30 fps             |
| Form factor *            | Clamshell          | Infrared (IR) camera                              | ✓                  |
| Original brand name      | MSI                | Privacy camera                                    | ✓                  |
| Display                  |                    | Privacy type                                      | Privacy shutter    |
| Display diagonal *       | 45.7 cm (18")      | Network                                           |                    |
| Display resolution *     | 2560 x 1600 pixels | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be) |
| Touchscreen *            | ✗                  | Wi-Fi standards                                   | Wi-Fi 7 (802.11be) |
| HD type                  | Quad HD+           | Mobile network connection *                       | ✗                  |
| Native aspect ratio      | 16:10              | Ethernet LAN                                      | ✓                  |
| RGB colour space         | DCI-P3             | Ethernet LAN data rates                           | 2500 Mbit/s        |
| Colour gamut             | 100%               | Bluetooth                                         | ✓                  |
| Maximum refresh rate     | 240 Hz             | Bluetooth version                                 | 5.4                |
| Processor                |                    | Ports & interfaces                                |                    |
| Processor manufacturer * | AMD                | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                  |
| Processor family *       | AMD Ryzen™ 9       | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity   | 1                  |
| Processor model *        | 9955HX             | Ethernet LAN (RJ-45) ports                        | 1                  |
| Processor cores          | 16                 | HDMI ports quantity *                             | 1                  |
| Processor threads        | 32                 | HDMI version                                      | 2.1                |
| Processor frequency *    | 2.5 GHz            | Thunderbolt 4 ports quantity                      | 2                  |
| Processor cache          | 64 MB              | Intel® Thunderbolt 4                              | ✓                  |
| Processor cache type     | L3                 | Combo headphone/mic port                          | ✓                  |
| Memory                   |                    | USB Type-C DisplayPort Alternate Mode             | ✓                  |
| Internal memory *        | 32 GB              |                                                   |                    |
| Internal memory type     | DDR5-SDRAM         |                                                   |                    |
| Memory clock speed       | 5600 MHz           |                                                   |                    |

| Memory                         |                            | Performance                           |                        |
|--------------------------------|----------------------------|---------------------------------------|------------------------|
| Memory form factor             | SO-DIMM                    | Motherboard chipset                   | Intel HM870            |
| Memory layout (slots x size)   | 2 x 16 GB                  | Keyboard                              |                        |
| Memory slots                   | 2x SO-DIMM                 | Pointing device                       | Touchpad               |
| Maximum internal memory *      | 96 GB                      | Numeric keypad *                      | ✓                      |
| Storage                        |                            | Keyboard backlit                      | ✓                      |
| Total storage capacity *       | 1 TB                       | Keyboard backlit colour               | RGB                    |
| Storage media *                | SSD                        | Keyboard backlit zone                 | 26-Zone RGB            |
| Total SSDs capacity            | 1 TB                       | Copilot key                           | ✓                      |
| Number of SSDs installed       | 1                          | Software                              |                        |
| SSD capacity                   | 1 TB                       | Operating system installed *          | Windows 11 Home        |
| SSD interface                  | PCI Express 4.0            | Battery                               |                        |
| NVMe                           | ✓                          | Battery technology                    | Lithium Polymer (LiPo) |
| Optical drive type *           | ✗                          | Number of battery cells               | 4                      |
| Card reader integrated         | ✓                          | Battery capacity *                    | 99 Wh                  |
| Compatible memory cards        | SD                         | Power                                 |                        |
| Graphics                       |                            | AC adapter power                      | 400 W                  |
| Discrete GPU manufacturer      | NVIDIA                     | AC adapter input voltage              | 90 - 264 V             |
| Discrete graphics card model * | NVIDIA GeForce RTX 5070 Ti | USB Power Delivery (USB PD)           | ✓                      |
| Discrete graphics card memory  | 12 GB                      | Security                              |                        |
| Discrete graphics memory type  | GDDR7                      | Cable lock slot                       | ✓                      |
| On-board graphics card *       | ✓                          | Cable lock slot type                  | Kensington             |
| On-board GPU manufacturer      | AMD                        | Trusted Platform Module (TPM)         | ✓                      |
| Discrete graphics card *       | ✓                          | Trusted Platform Module (TPM) version | 2.0                    |
| On-board graphics card family  | AMD Radeon Graphics        | Weight & dimensions                   |                        |
| On-board graphics card model * | AMD Radeon 610M            | Width                                 | 404 mm                 |
| Audio                          |                            | Depth                                 | 307.5 mm               |
| Number of built-in speakers    | 4                          | Height                                | 32 mm                  |
| Speaker power                  | 2 W                        | Weight *                              | 3.6 kg                 |
| Camera                         |                            | Packaging content                     |                        |
| Front camera                   | ✓                          | AC adapter included *                 | ✓                      |



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### Catalog Object Cloud



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