



**MSI Venture A16 AI+ A3HMG-036DE Copilot+ PC AMD Ryzen™ AI 5 340 Laptop 40.6 cm (16") 2K 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Grey**

**Brand :** MSI

**Product family:** Venture

**Product code:** VENTURE A16 AI+ A3HMG-036DE

**Product name :** Venture A16 AI+ A3HMG-036DE

- Windows 11 Home  
- AMD Ryzen AI 5 340 (2GHz)  
- 40.6 cm (16") 2K 2048 x 1280 OLED  
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 512GB SSD  
AMD Ryzen AI 5 340 (2GHz), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") 2K 2048 x 1280 OLED, AMD Radeon 840M, LAN, WLAN, Webcam, Windows 11 Home  
MSI Venture A16 AI+ A3HMG-036DE. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ AI 5, Processor model: 340, Processor frequency: 2 GHz. Display diagonal: 40.6 cm (16"), HD type: 2K, Display resolution: 2048 x 1280 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 840M. Operating system installed: Windows 11 Home. Product colour: Grey



| Design                              |                           | Audio                                             |                     |
|-------------------------------------|---------------------------|---------------------------------------------------|---------------------|
| Colour name                         | Solid Gray                | Number of built-in speakers                       | 2                   |
| Product type *                      | Laptop                    | Speaker power                                     | 2 W                 |
| Product colour *                    | Grey                      | Built-in microphone                               | ✓                   |
| Form factor *                       | Clamshell                 | Number of microphones                             | 3                   |
| Original brand name                 | MSI                       | Camera                                            |                     |
| Display                             |                           | Front camera                                      | ✓                   |
| Display diagonal *                  | 40.6 cm (16")             | Front camera resolution                           | 1280 x 720 pixels   |
| Display resolution *                | 2048 x 1280 pixels        | Front camera HD type                              | HD                  |
| Touchscreen *                       | ✗                         | Video capturing speed                             | 30 fps              |
| HD type                             | 2K                        | Infrared (IR) camera                              | ✓                   |
| Panel type                          | OLED                      | Privacy camera                                    | ✓                   |
| Native aspect ratio                 | 16:10                     | Privacy type                                      | Privacy shutter     |
| Anti-glare screen                   | ✓                         | Network                                           |                     |
| Display diagonal (metric)           | 40.7 cm                   | Top Wi-Fi standard *                              | Wi-Fi 6E (802.11ax) |
| RGB colour space                    | DCI-P3                    | Wi-Fi standards                                   | Wi-Fi 6E (802.11ax) |
| Colour gamut                        | 100%                      | Mobile network connection *                       | ✗                   |
| Maximum refresh rate                | 120 Hz                    | WLAN controller model                             | AMD RZ616           |
| High Dynamic Range (HDR) supported  | ✓                         | WLAN controller manufacturer                      | AMD                 |
| High Dynamic Range (HDR) technology | DisplayHDR True Black 600 | Ethernet LAN                                      | ✓                   |
| Processor                           |                           | Ethernet LAN data rates                           | 10,100,1000 Mbit/s  |
| Processor manufacturer *            | AMD                       | Bluetooth                                         | ✓                   |
| Processor family *                  | AMD Ryzen™ AI 5           | Bluetooth version                                 | 5.3                 |
| Processor generation                | AMD Ryzen AI 300 Series   | Ports & interfaces                                |                     |
| Processor model *                   | 340                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                   |
| Processor cores                     | 6                         | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1                   |
| Processor threads                   | 12                        |                                                   |                     |

| Processor                         |                 | Ports & interfaces                    |                        |
|-----------------------------------|-----------------|---------------------------------------|------------------------|
| Processor boost frequency         | 4.8 GHz         | Ethernet LAN (RJ-45) ports            | 1                      |
| Processor frequency *             | 2 GHz           | HDMI ports quantity *                 | 1                      |
| Processor cache type              | L2 & L3         | HDMI version                          | 2.1                    |
| L3 cache                          | 16 MB           | Combo headphone/mic port              | ✓                      |
| L2 cache                          | 6 MB            |                                       |                        |
| Neural processor unit (NPU)       |                 | Keyboard                              |                        |
| Copilot+ PC                       | ✓               | Pointing device                       | Touchpad               |
| Neural processor unit (NPU)       | AMD Ryzen AI    | Numeric keypad *                      | ✓                      |
| Total processor performance up to | 59 TOPs         | Keyboard backlit                      | ✓                      |
| NPU performance up to             | 50 TOPs         | Keyboard backlit colour               | White                  |
|                                   |                 | Keyboard number of keys               | 99                     |
| Memory                            |                 | Copilot key                           | ✓                      |
| Internal memory *                 | 16 GB           | Software                              |                        |
| Internal memory type              | DDR5-SDRAM      | Operating system installed *          | Windows 11 Home        |
| Memory clock speed                | 5600 MHz        |                                       |                        |
| Memory layout (slots x size)      | 2 x 8 GB        | Battery                               |                        |
| Memory slots                      | 2x SO-DIMM      | Battery technology                    | Lithium Polymer (LiPo) |
| Maximum internal memory *         | 96 GB           | Number of battery cells               | 4                      |
| Memory channels                   | Dual-channel    | Battery capacity *                    | 75 Wh                  |
| Storage                           |                 | Power                                 |                        |
| Total storage capacity *          | 512 GB          | AC adapter power                      | 90 W                   |
| Storage media *                   | SSD             | AC adapter input voltage              | 90 - 264 V             |
| Total SSDs capacity               | 512 GB          | USB Type-C charging port *            | ✓                      |
| Number of SSDs installed          | 1               | USB Power Delivery (USB PD)           | ✓                      |
| SSD capacity                      | 512 GB          |                                       |                        |
| SSD interface                     | PCI Express 4.0 | Security                              |                        |
| NVMe                              | ✓               | Cable lock slot                       | ✓                      |
| SSD form factor                   | M.2             | Cable lock slot type                  | Kensington             |
| Optical drive type *              | ✗               | Trusted Platform Module (TPM)         | ✓                      |
| Graphics                          |                 | Trusted Platform Module (TPM) version | 2.0                    |
| Discrete graphics card model *    | Not available   | Weight & dimensions                   |                        |
| On-board graphics card *          | ✓               | Width                                 | 359 mm                 |
| On-board GPU manufacturer         | AMD             | Depth                                 | 245 mm                 |
| Discrete graphics card *          | ✗               | Height                                | 23.2 mm                |
| On-board graphics card family     | AMD Radeon      | Weight *                              | 1.9 kg                 |
| On-board graphics card model *    | AMD Radeon 840M | Packaging content                     |                        |
|                                   |                 | AC adapter included *                 | ✓                      |
|                                   |                 | Other features                        |                        |
|                                   |                 | Warranty period                       | 2 year(s)              |



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### Catalog Object Cloud



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