

**MSI Cyborg 15  
A13 Intel Core i5  
i5-13420H  
Laptop 39.6 cm  
(15.6) Full HD  
16 GB DDR5-  
SDRAM 512 GB  
SSD NVIDIA  
GeForce RTX  
4050 Wi-Fi 6E  
(802.11ax)  
NoOS Black**



Model: A13VE-1613XPL

Manufacturer: MSI

EAN: 4711377267915

Product Code: 300918

**R15,939**

Performance cores: 4 | On-board GPU manufacturer: Intel | Performance-core Max Turbo Frequency:

4.6 GHz | Efficient cores: 4 | Processor base power: 45 W | Maximum turbo power: 95 W | Processor

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typographical errors. We recommend checking the current information before purchasing.

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generation: 13th gen Intel® Core™ i5 | Efficient-core Max Turbo Frequency: 3.4 GHz | WLAN controller manufacturer: Intel | Processor model: i5-13420H | Charging port type: DC-in jack | Memory clock speed: 5200 MHz | Top Wi-Fi standard: Wi-Fi 6E (802.11ax) | Ethernet LAN (RJ-45) ports: 1 | Island-style keyboard: Yes | SSD form factor: M.2 | Speaker power: 2 W | Internal memory type: DDR5-SDRAM | Processor cache type: Smart Cache | Operating system installed: N | Number of built-in speakers: 2 | Front camera HD type: HD | Mobile network connection: No | Pointing device: Touchpad | SSD capacity: 512 GB | Ethernet LAN: Yes | Combo headphone/mic port: Yes | On-board graphics card model: Intel® UHD Graphics | Processor threads: 12 | Wi-Fi standards: Wi-Fi 6E (802.11ax) | Depth: 250 mm | USB Type-C DisplayPort Alternate Mode: Yes | Number of battery cells: 3 | Memory form factor: SO-DIMM | Battery capacity: 53.5 Wh | SSD interface: PCI Express 4.0 | Discrete graphics card memory: 6 GB | On-board graphics card family: Intel® UHD Graphics | NVMe: Yes | Processor family: Intel® Core™ i5 | Discrete GPU manufacturer: NVIDIA | HDMI version: 2.1 | Total storage capacity: 512 GB | Processor cores: 8 | Processor cache: 12 MB | Numeric keypad: Yes | Built-in microphone: Yes | Bluetooth version: 5.3 | Panel type: IPS-Level | Weight: 1.98 kg | Processor manufacturer: Intel | On-board graphics card: Yes | Keyboard backlit colour: RGB | Height: 22.9 mm | Discrete graphics card: Yes | Colour name: Translucent Black | Internal memory: 16 GB | Discrete graphics memory type: GDDR6 | Video capturing speed: 30 fps | Maximum refresh rate: 144 Hz | Touchscreen: No | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity: 1 | Keyboard backlit: Yes | AC adapter power: 120 W | Memory layout (slots x size): 2 x 8 GB | Memory slots: 2x SO-DIMM | Product type: Laptop | WLAN controller model: Intel Wi-Fi 6E AX211 | Front camera: Yes | Optical drive type: No | Width: 359 mm | Speakers manufacturer: Nahimic | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 2 | Storage media: SSD | HDMI ports quantity: 1 | Number of SSDs installed: 1 | Total SSDs capacity: 512 GB | Hazard pictogram(s): GHS09: Environmental hazard | Hazard pictogram(s): GHS07: Harmful | Warnings: The device may become hot during operation use caution to avoid burns. | Warnings: Keep out of reach of children to avoid risk of electric shock. | Warnings: Do not dispose of in normal household waste appropriate disposal must be carried out in accordance with environmental regulations. | Hazard pictogram(s): GHS08: Health hazard | Bluetooth: Yes | Display diagonal: 39.6 cm (15.6") | Discrete graphics card model: NVIDIA GeForce RTX 4050 | LED backlight: Yes | Maximum internal memory: 64 GB | Ethernet LAN data rates: 10 | Processor boost frequency: 4.6 GHz | Motherboard chipset: Intel HM770 | Display resolution: 1920 x 1080 pixels | Ethernet LAN data rates: 1000 Mbit/s | HD type: Full HD | Ethernet LAN data rates: 100 | Product colour: Black | Native aspect ratio: 16:9 | Audio system: Nahimic 3 | Cable lock slot: Yes

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