



**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: 377678

R16,163

Internal memory type: DDR5-SDRAM | Weight: 1.98 kg | Processor threads: 12 | Processor cache

type: Smart Cache | On-board graphics card model: Intel® UHD Graphics | Battery capacity: 53.5 Wh

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices

may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or

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

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| SSD interface: PCI Express 4.0 | Top Wi-Fi standard: Wi-Fi 6E (802.11ax) | Colour name: Translucent Black | Operating system installed: N | Wi-Fi standards: Wi-Fi 6E (802.11ax) | Number of battery cells: 3 | Storage media: SSD | Product type: Laptop | Memory form factor: SO-DIMM | Processor model: i5-13420H | Memory slots: 2x SO-DIMM | Height: 22.9 mm | Discrete graphics card memory: 6 GB | Depth: 250 mm | USB Type-C DisplayPort Alternate Mode: Yes | WLAN controller model: Intel Wi-Fi 6E AX211 | Internal memory: 16 GB | HDMI version: 2.1 | Discrete graphics card: Yes | Charging port type: DC-in jack | Memory clock speed: 5200 MHz | Built-in microphone: Yes | Processor cores: 8 | Mobile network connection: No | Ethernet LAN: Yes | Panel type: IPS-Level | Total storage capacity: 512 GB | SSD form factor: M.2 | HDMI ports quantity: 1 | Pointing device: Touchpad | Width: 359 mm | Speakers manufacturer: Nahimic | Front camera: Yes | Optical drive type: No | Maximum refresh rate: 144 Hz | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 2 | Total SSDs capacity: 512 GB | Touchscreen: No | Island-style keyboard: Yes | Video capturing speed: 30 fps | Memory layout (slots x size): 2 x 8 GB | Processor cache: 12 MB | Numeric keypad: Yes | Bluetooth version: 5.3 | On-board graphics card: Yes | Discrete graphics memory type: GDDR6 | Combo headphone/mic port: Yes | On-board graphics card family: Intel® UHD Graphics | NVMe: Yes | AC adapter power: 120 W | SSD capacity: 512 GB | Speaker power: 2 W | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity: 1 | Keyboard backlit colour: RGB | Ethernet LAN (RJ-45) ports: 1 | Keyboard backlit: Yes | Number of built-in speakers: 2 | Front camera HD type: HD | Processor family: Intel® Core™ i5 | Processor manufacturer: Intel | Discrete GPU manufacturer: NVIDIA | Number of SSDs installed: 1 | Efficient-core Max Turbo Frequency: 3.4 GHz | Efficient cores: 4 | Processor generation: 13th gen Intel® Core™ i5 | Performance cores: 4 | WLAN controller manufacturer: Intel | Performance-core Max Turbo Frequency: 4.6 GHz | Processor base power: 45 W | Maximum turbo power: 95 W | On-board GPU manufacturer: Intel | LED backlight: Yes | Native aspect ratio: 16:9 | HD type: Full HD | Product colour: Black | Bluetooth: Yes | Display diagonal: 39.6 cm (15.6") | Discrete graphics card model: NVIDIA GeForce RTX 4050 | Audio system: Nahimic 3 | Display resolution: 1920 x 1080 pixels | Ethernet LAN data rates: 10 | Ethernet LAN data rates: 100 Mbit/s | Processor boost frequency: 4.6 GHz | Motherboard chipset: Intel HM770 | Maximum internal memory: 64 GB | Ethernet LAN data rates: 1000 | Cable lock slot: Yes | Hazard pictogram(s): GHS09: Environmental hazard | Warnings: Keep out of reach of children to avoid risk of electric shock. | Hazard pictogram(s): GHS08: Health hazard | Warnings: Do not dispose of in normal household waste appropriate disposal must be carried out in accordance with environmental regulations. | Hazard pictogram(s): GHS07: Harmful | Warnings: The device may become hot during operation use caution to avoid burns.

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