



MSI Cyborg 15 A12VE-401BE Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Cyborg

Product code: CYBORG 15
A12VE-401BE

Product name : Cyborg 15
A12VE-401BE

- Windows 11 Home
- Intel Core i5-12450H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 512GB SSD
Intel Core i5-12450H (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Cyborg 15 A12VE-401BE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black



Design		Graphics	
Colour name	Translucent Black	Graphics card Open GL support	✓
Product type *	Laptop	Audio	
Product colour *	Black	Audio system	Nahimic 3
Form factor *	Clamshell	Number of built-in speakers	2
Market positioning	Gaming	Speakers manufacturer	Nahimic
Display		Speaker power	2 W
Display diagonal *	39.6 cm (15.6")	Built-in microphone	✓
Display resolution *	1920 x 1080 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	Full HD	Front camera HD type	HD
LED backlight	✓	Video capturing speed	30 fps
Native aspect ratio	16:9	Network	
Display brightness	250 cd/m²	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6 AX201
Processor family *	Intel® Core™ i5	WLAN controller manufacturer	Intel
Processor generation	12th gen Intel® Core™ i5	Ethernet LAN	✓
Processor model *	i5-12450H	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor cores	8	Bluetooth	✓
Processor boost frequency	4.4 GHz	Bluetooth version	5.2
Performance cores	4	Ports & interfaces	
Efficient cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Performance-core Max Turbo Frequency	4.4 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core Max Turbo Frequency	3.3 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core boost frequency	3.5 GHz		
Processor cache	12 MB		

Processor		Ports & interfaces	
Processor cache type	Smart Cache	HDMI ports quantity *	1
Configurable TDP-down	35 W	Combo headphone/mic port	✓
Processor base power	45 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	95 W		
Memory		Performance	
Internal memory *	16 GB	Motherboard chipset	Intel HM670
Internal memory type	DDR5-SDRAM	Keyboard	
Memory clock speed	4800 MHz	Pointing device	Touchpad
Memory form factor	SO-DIMM	Numeric keypad *	✓
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit	✓
Memory slots	2x SO-DIMM	Keyboard backlit colour	Blue
Maximum internal memory *	64 GB	Island-style keyboard	✓
Storage		Software	
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Processor special features	
Total SSDs capacity	512 GB	Intel Flex Memory Access	✓
Number of SSDs installed	1	Intel VT-x with Extended Page Tables (EPT)	✓
SSD capacity	512 GB	Execute Disable Bit	✓
SSD interface	PCI Express 4.0	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Number of battery cells	3
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Battery capacity *	53.5 Wh
Discrete graphics card memory	6 GB	Power	
Discrete graphics memory type	GDDR6	AC adapter power	120 W
On-board graphics card *	✓	DC-in jack	✓
On-board GPU manufacturer	Intel	Security	
Discrete graphics card *	✓	Cable lock slot	✓
On-board graphics card family	Intel® UHD Graphics	Cable lock slot type	Kensington
On-board graphics card model *	Intel® UHD Graphics	Weight & dimensions	
On-board graphics card 4K support	✓	Width	359.4 mm
		Depth	250.3 mm
		Height (front)	2.19 cm
		Height (rear)	2.29 cm
		Weight *	1.98 kg



4711377099707

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 25-JAN-2025. Prints or copies of Information are only valid on the printed Publication date