## MSI Cyborg 15 A12UCX-415CA Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 2050 Wi-Fi 6 (802.11ax) Windows 11 Home Black

**Brand**: MSI **Product family:** Cyborg **Product code: CYBORG 15** 

A12UCX-415CA



Product name: Cyborg 15 A12UCX-415CA

- Windows 11 Home
- Intel Core i5-12450H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 2050 (4GB GDDR6)
- 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 512GB SSD

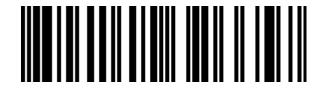
Intel Core i5-12450H (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 2050 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

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 2050. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Colour name Translucent Black Product type * Laptop Product colour * Black Form factor * Clamshell	Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone	2 Nahimic 2 W ✓	
Market positioning Original brand name	Gaming MSI	<b>Camera</b> Front camera	<b>,</b>
Display Display diagonal * Display resolution *	39.6 cm (15.6") 1920 x 1080 pixels  x Full HD  16:9 250 cd/m² 144 Hz	Front camera HD type Video capturing speed	HD 30 fps
Touchscreen * HD type LED backlight Native aspect ratio Display brightness Maximum refresh rate		Network  Top Wi-Fi standard * Wi-Fi standards Mobile network connection * WLAN controller model WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates Bluetooth Bluetooth version	Wi-Fi 6 (802.11ax) Wi-Fi 6 (802.11ax)  X Intel Wi-Fi 6 AX201 Intel
Processor Processor manufacturer * Processor family *	Intel Intel® Core™ i5 12th gen Intel® Core™ i5 i5-12450H 8 12 4.4 GHz 3.5 GHz 12 MB Smart Cache 35 W 45 W		10,100,1000 Mbit/s  5.2
Processor generation Processor model *		Ports & interfaces	
Processor cores Processor threads Processor boost frequency Efficient-core boost frequency Processor cache Processor cache type Configurable TDP-down Processor base power		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * Combo headphone/mic port	2 1 1 1

Processor		Ports & interfaces	
Maximum turbo power	115 W	USB Type-C DisplayPort Alternate Mode	✓
Memory	16 CD	Performance	
Internal memory * Internal memory type Memory clock speed Memory form factor Memory layout (slots x size) Memory slots	16 GB DDR5-SDRAM 4800 MHz SO-DIMM 2 x 8 GB 2x SO-DIMM 64 GB	Motherboard chipset	Intel HM670
		Keyboard	
		Pointing device	Touchpad
		Numeric keypad *	<b>✓</b>
		Keyboard backlit	✓
Maximum internal memory *		Keyboard backlit colour	Blue
Storage		Island-style keyboard	<b>✓</b>
Total storage capacity * Storage media * Total SSDs capacity Number of SSDs installed	512 GB SSD 512 GB	Software	
		Operating system installed *	Windows 11 Home
	1	Processor special features	
SSD capacity	512 GB	Intel Flex Memory Access	<b>✓</b>
SSD interface	PCI Express 4.0	Intel VT-x with Extended Page	/
NVMe SSD form factor	<b>✓</b> M.2	Tables (EPT)	·
Optical drive type *	IVI.2	Execute Disable Bit CPU configuration (max)	1
, ,,	^	Embedded options available	×
Graphics	AN (ID) A	Intel Virtualization Technology for	··
Discrete GPU manufacturer Discrete graphics card model *	NVIDIA  NVIDIA GeForce RTX 2050  4 GB  GDDR6  ✓ Intel	Directed I/O (VT-d)	•
Discrete graphics card memory Discrete graphics memory type On-board graphics card * On-board GPU manufacturer		Intel Virtualization Technology (VT-x)	✓
		Battery	
		Number of battery cells	3
		Battery capacity *	53.5 Wh
Discrete graphics card *	✓	Power	
On-board graphics card family On-board graphics card model *	Intel® UHD Graphics Intel® UHD Graphics	AC adapter power	120 W
Audio	inter® one Graphies	DC-in jack	<b>✓</b>
	Nahimic 3	Security	
Audio system	Natilitic 3	Cable lock slot	1
		Cable lock slot type	Kensington
		Weight & dimensions	
		Width	359.4 mm
		Depth	250.3 mm
		Height (front)	2.19 cm
		Height (rear)	2.29 cm
		Weight *	1.98 kg





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## **Catalog Object Cloud**



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