



MSI Cyborg 15 B13WEKG-646NL Intel® Core™ i5 i5-13420H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Cyborg

Product code: CYBORG 15
B13WEKG-646NL



Product name : Cyborg 15
B13WEKG-646NL

- Windows 11 Home
- Intel Core i5-13420H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS-Level, NVIDIA GeForce RTX 5050 (8GB GDDR7)
- 16GB (5600MHz) DDR5-SDRAM (1 x 16) & 512GB SSD
Intel Core i5-13420H (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS-Level, Intel UHD Graphics, NVIDIA GeForce RTX 5050 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home
MSI Cyborg 15 B13WEKG-646NL. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-13420H. 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™ 5050. Operating system installed: Windows 11 Home. Product colour: Black



Design		Camera	
Colour name	Translucent Black	Front camera	✓
Product type *	Laptop	Front camera resolution	1280 x 720 pixels
Product colour *	Black	Front camera HD type	HD
Form factor *	Clamshell	Video capturing speed	30 fps
Housing material	Metal, Plastic	Privacy camera	✓
Market positioning	Gaming	Privacy type	Privacy shutter
Original brand name	MSI	Network	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	39.6 cm (15.6")	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1080 pixels	Mobile network connection *	✗
Touchscreen *	✗	WLAN controller model	Intel Wi-Fi 6E AX211
HD type	Full HD	WLAN controller manufacturer	Intel
Panel type	IPS-Level	Ethernet LAN	✓
Native aspect ratio	16:9	Ethernet LAN data rates	10,100,1000 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
Display brightness	250 cd/m²	Bluetooth version	5.3
Maximum refresh rate	144 Hz	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor family *	Intel® Core™ i5	HDMI ports quantity *	1
Processor generation	13th gen Intel® Core™ i5	HDMI version	2.1
Processor model *	i5-13420H	Combo headphone/mic port	✓
Processor cores	8	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	12	USB Sleep-and-Charge	✓
Processor boost frequency	4.6 GHz		
Performance cores	4		
Efficient cores	4		

Processor		Performance	
Performance-core Max Turbo Frequency	4.6 GHz	Motherboard chipset	Intel SoC
Efficient-core Max Turbo Frequency	3.4 GHz	Repairability index	7.9
Processor cache	12 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✓
Maximum turbo power	115 W	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	4-zone RGB
Internal memory type	DDR5-SDRAM	Copilot key	✓
Memory clock speed	5600 MHz	Software	
Memory layout (slots x size)	1 x 16 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Bundled software	Nvidia App, MSI App Player, Mystic Light, MSI Center, DTS Audio Processing, MSI AI Engine, MSI Enterprise Support Tool (EST) >
Maximum internal memory *	96 GB		optional, AI Noise Cancellation Pro
Storage		Battery	
Total storage capacity *	512 GB	Number of battery cells	4
Storage media *	SSD	Battery capacity	3570 mAh
Total SSDs capacity	512 GB	Battery capacity *	55.2 Wh
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	120 W
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Graphics		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Cable lock slot type	Kensington
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	Fingerprint reader	✓
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR7	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	359.3 mm
Discrete graphics card *	✓	Depth	245.2 mm
On-board graphics card family	Intel® UHD Graphics	Height (front)	2.21 cm
On-board graphics card model *	Intel® UHD Graphics	Height (rear)	2.31 cm
Audio		Weight *	1.95 kg
Audio system	DTS Audio Processing	Packaging content	
Number of built-in speakers	2	AC adapter included *	✓
Speaker power	2 W	Other features	
		Warranty period	2 year(s)



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