msi

MSI Cyborg 15 B13WFKG-880NL Intel® Core™ i5 i5-13420H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Cyborg

Product code: CYBORG 15 B13WFKG-880NL

Product name : Cyborg 15 B13WFKG-880NL

- Windows 11 Home
- Intel Core i5-13420H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS-Level, NVIDIA GeForce RTX 5060 (8GB GDDR7)
- 16GB (5200MHz) 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 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home

MSI Cyborg 15 B13WFKG-880NL. 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 5060. Operating system installed: Windows 11 Home. Product colour: Black

Design	
Colour name	Translucent Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Metal, Plastic
Market positioning	Gaming
Original brand name	MSI

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✕
HD type	Full HD
Panel type	IPS-Level
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	250 cd/m²
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	144 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	13th gen Intel® Core™ i5
Processor model *	i5-13420H
Processor cores	8
Processor threads	12
Processor boost frequency	4.6 GHz
Performance cores	4

Audio	
Speaker power	2 W

Camera	
Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps
Privacy camera	✔
Privacy type	Privacy shutter

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✕
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔

Processor	
Efficient cores	4
Performance-core Max Turbo Frequency	4.6 GHz
Efficient-core Max Turbo Frequency	3.4 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Memory	
Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5200 MHz
Memory layout (slots x size)	1 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	96 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘

Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 5060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR7
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio	
Audio system	DTS Audio Processing
Number of built-in speakers	2

Ports & interfaces	
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔

Performance	
Motherboard chipset	Intel SoC

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB
Copilot key	✔

Software	
Operating system installed *	Windows 11 Home
Bundled software	Nvidia App, MSI App Player, Mystic Light, MSI Center, DTS Audio Processing, MSI AI Engine, MSI Enterprise Support Tool (EST) > optional, AI Noise Cancellation Pro

Battery	
Number of battery cells	4
Battery capacity	3570 mAh
Battery capacity *	55.2 Wh

Power	
AC adapter power	120 W
DC-in jack	✔
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security	
Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Weight & dimensions	
Width	359.3 mm
Depth	245.2 mm
Height (front)	2.21 cm
Height (rear)	2.31 cm
Weight *	2.1 kg

Packaging content	
AC adapter included *	✔

Other features	
Warranty period	2 year(s)

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