



MSI Cyborg 15 BLACK EDITION A13VE-2447UK 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) Windows 11 Home



Brand : MSI

Product family: Cyborg

Product code: CYBORG 15
BLACK EDITION A13VE-2447UK

Product name : Cyborg 15
BLACK EDITION A13VE-2447UK

- Thin & Light 15.6" laptop
 - Translucent WASD w/ Num-Pad
 - Black-Enhancement-Like Design
 - NVIDIA GeForce RTX 40 Series GPUs are beyond fast for gamers and creators. They're powered by the ultra-efficient NVIDIA Ada Lovelace architecture which delivers a quantum leap in both performance and AI-powered graphics. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming with the lowest latency.
 - DLSS 3.5 AI-Accelerated Performance & AI-powered Ray Reconstruction
- Intel Core i5-13420H (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 15.6" Full HD 1920 x 1080 IPS-Level, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

Design		Audio	
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Speaker power	2 W
Form factor *	Clamshell	Built-in microphone	✓
Market positioning	Gaming	Camera	
Country of origin	China	Front camera	✓
Display		Front camera HD type	HD
Display diagonal *	39.6 cm (15.6")	Video capturing speed	30 fps
Display resolution *	1920 x 1080 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	Full HD	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Panel type	IPS-Level	Mobile network connection *	✗
LED backlight	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Native aspect ratio	16:9	WLAN controller manufacturer	Intel
RGB colour space	NTSC	Ethernet LAN	✓
Colour gamut	45%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	144 Hz	Bluetooth	✓
Processor		Bluetooth version	5.2
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i5	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor generation	13th gen Intel® Core™ i5	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor model *	i5-13420H	Ethernet LAN (RJ-45) ports	1
Processor cores	8	HDMI ports quantity *	1
Processor boost frequency	4.6 GHz	HDMI version	2.1
Performance cores	4	Combo headphone/mic port	✓
Efficient cores	4	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	4.6 GHz	Keyboard	
Efficient-core Max Turbo Frequency	3.4 GHz	Pointing device	Touchpad
Processor cache	12 MB	Numeric keypad *	✓
Processor cache type	Smart Cache		
Processor base power	45 W		
Maximum turbo power	95 W		

Memory		Keyboard	
Internal memory *	16 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	Blue
Memory clock speed	5200 MHz	Island-style keyboard	✓
Memory form factor	SO-DIMM	Software	
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	64 GB	Battery	
Storage		Number of battery cells	3
Total storage capacity *	512 GB	Battery capacity *	53.5 Wh
Storage media *	SSD	Power	
Total SSDs capacity	512 GB	DC-in jack	✓
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Fingerprint reader	✗
Optical drive type *	✗	Weight & dimensions	
Graphics		Width	359.4 mm
Discrete GPU manufacturer	NVIDIA	Depth	250.3 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Height (front)	2.19 cm
Discrete graphics card memory	6 GB	Height (rear)	2.29 cm
Discrete graphics memory type	GDDR6	Weight *	2 kg
On-board graphics card *	✓	Packaging data	
Discrete graphics card *	✓	Package width	466 mm
On-board graphics card family	Intel® UHD Graphics	Package depth	88 mm
On-board graphics card model *	Intel® UHD Graphics	Package height	318 mm
Audio		Package weight	600 g
Audio system	Nahimic 3	Packaging content	
		AC adapter included *	✓
		Power cord included	✓
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000
		Other features	
		Warranty period	2 year(s)



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Catalog Object Cloud



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