



MSI Cyborg 14 A13VE-003FR Intel® Core™ i7 i7-13620H Laptop 35,6 cm (14") Full HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Cyborg

Article code: CYBORG 14
A13VE-003FR

Product name : Cyborg 14
A13VE-003FR

MSI Cyborg 14 A13VE-003FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. Display diagonal: 35,6 cm (14"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, 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 color: Black



Design		Graphics	
Colour name	Translucent Black	On-board graphics card model *	Intel® UHD Graphics
Product type *	Laptop	Audio	
Product colour *	Black	Audio system	DTS Audio Processing
Form factor *	Clamshell	Number of built-in speakers	2
Display		Speaker power	2 W
Display diagonal *	35.6 cm (14")	Camera	
Display resolution *	1920 x 1200 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1280 x 720 pixels
HD type	Full HD+	Front camera HD type	HD
RGB colour space	sRGB	Video capturing speed	30 fps
Colour gamut	100%	Network	
Maximum refresh rate	144 Hz	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor manufacturer *	Intel	Mobile network connection *	✗
Processor family *	Intel® Core™ i7	WLAN controller model	Intel Wi-Fi 6E AX211
Processor generation	13th gen Intel® Core™ i7	WLAN controller manufacturer	Intel
Processor model *	i7-13620H	Ethernet LAN	✓
Processor cores	10	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor boost frequency	4.9 GHz	Bluetooth	✓
Performance cores	6	Bluetooth version	5.3
Efficient cores	4	Ports & interfaces	
Performance-core Max Turbo Frequency	4.9 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core Max Turbo Frequency	3.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cache	24 MB	Ethernet LAN (RJ-45) ports	1
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	45 W		
Maximum turbo power	115 W		

Memory		Ports & interfaces	
Internal memory *	16 GB	HDMI version	2.1
Internal memory type	DDR5-SDRAM	Combo headphone/mic port	✓
Memory clock speed	5200 MHz	USB Type-C DisplayPort Alternate Mode	✓
Memory layout (slots x size)	2 x 8 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Performance	
Total storage capacity *	1 TB	Motherboard chipset	Intel SoC
Storage media *	SSD	Repairability index	8
Total SSDs capacity	1 TB		
Number of SSDs installed	1		
SSD capacity	1 TB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Keyboard	
Discrete GPU manufacturer	NVIDIA	Pointing device	Touchpad
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Numeric keypad *	✗
Discrete graphics card memory	6 GB	Keyboard backlit	✓
Discrete graphics memory type	GDDR6	Keyboard backlit colour	Blue
On-board graphics card *	✓		
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
On-board graphics card family	Intel® UHD Graphics		
		Software	
		Operating system installed *	Windows 11 Home
		Battery	
		Number of battery cells	3
		Battery capacity *	53.5 Wh
		Power	
		AC adapter power	120 W
		Security	
		Cable lock slot	✓
		Cable lock slot type	Kensington
		Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0
		Weight & dimensions	
		Width	314.7 mm
		Depth	233.5 mm
		Height (front)	1.86 cm
		Height (rear)	2.23 cm
		Weight *	1.6 kg



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