



**MSI Cyborg 15 A13VE-218US Intel® Core™ i7 i7-13620H**  
**Computadora portátil 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM**  
**512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows**  
**11 Home Negro**

Marca : MSI

Familia de productos: Cyborg Código del producto: CYBORG  
15 A13VE-218US

Nombre del producto :  
Cyborg 15 A13VE-218US

MSI Cyborg 15 A13VE-218US. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i7, Modelo del procesador: i7-13620H. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Píxeles. Memoria interna: 16 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 512 GB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel® UHD Graphics, Modelo de adaptador de gráficos discretos: NVIDIA GeForce RTX 4050. Sistema operativo instalado: Windows 11 Home. Color del producto: Negro



Design		Audio	
Colour name	Translucent Black	Audio system	Nahimic 3
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Speakers manufacturer	Nahimic
Form factor *	Clamshell	Speaker power	2 W
Market positioning	Gaming	Built-in microphone	✓
Display		Camera	
Display diagonal *	39.6 cm (15.6")	Front camera	✓
Display resolution *	1920 x 1080 pixels	Front camera HD type	HD
Touchscreen *	✗	Video capturing speed	30 fps
HD type	Full HD	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:9	Wi-Fi standards	Wi-Fi 6 (802.11ax)
RGB colour space	NTSC	Mobile network connection *	✗
Colour gamut	45%	Antenna type	2x2
Maximum refresh rate	144 Hz	WLAN controller model	Intel Wi-Fi 6 AX201
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel® Core™ i7	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	13th gen Intel® Core™ i7	Bluetooth	✓
Processor model *	i7-13620H	Bluetooth version	5.2
Processor cores	10	Ports & interfaces	
Processor boost frequency	4.9 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Performance cores	6	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient cores	4	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	4.9 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	3.6 GHz		
Efficient-core boost frequency	3.6 GHz		

Processor		Ports & interfaces	
Processor cache	24 MB	HDMI version	2.1
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Configurable TDP-down	35 W	Charging port type	DC-in jack
Processor base power	45 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	115 W		
Memory		Performance	
Internal memory *	16 GB	Motherboard chipset	Intel HM670
Internal memory type	DDR5-SDRAM	Keyboard	
Memory clock speed	5200 MHz	Pointing device	Touchpad
Memory form factor	SO-DIMM	Numeric keypad *	✓
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit	✓
Memory slots	2x SO-DIMM	Keyboard backlit colour	Blue
Maximum internal memory *	64 GB	Island-style keyboard	✓
Storage		Software	
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Processor special features	
Total SSDs capacity	512 GB	Intel Flex Memory Access	✓
Number of SSDs installed	1	Intel VT-x with Extended Page Tables (EPT)	✓
SSD capacity	512 GB	Execute Disable Bit	✓
SSD interface	PCI Express 4.0	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Number of battery cells	3
Discrete graphics card memory	6 GB	Battery capacity *	53.5 Wh
Discrete graphics memory type	GDDR6	Power	
On-board graphics card *	✓	AC adapter power	120 W
On-board GPU manufacturer	Intel	Security	
Discrete graphics card *	✓	Cable lock slot	✓
On-board graphics card family	Intel® UHD Graphics	Cable lock slot type	Kensington
On-board graphics card model *	Intel® UHD Graphics	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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