



MSI Cyborg 15 A13UC-689NL Intel® Core™ i7 i7-13620H Laptop 39,6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11 Home Zwart



Merk : MSI

Productfamilie: Cyborg

Artikelcode: CYBORG 15
A13UC-689NL

Productnaam : Cyborg 15
A13UC-689NL

- Windows 11 Home
 - Intel Core i7-13620H (24MB Cache)
 - 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 3050 (4GB GDDR6)
 - 16GB (5600MHz) DDR5-SDRAM & 512GB SSD
- Intel Core i7-13620H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 3050 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Cyborg 15 A13UC-689NL. Type product: Laptop, Vormfactor: Clamshell. Processorfamilie: Intel® Core™ i7, Processormodel: i7-13620H. Beeldschermdiagonaal: 39,6 cm (15.6"), HD type: Full HD, Resolutie: 1920 x 1080 Pixels. Intern geheugen: 16 GB, Intern geheugentype: DDR5-SDRAM. Totale opslagcapaciteit: 512 GB, Opslagmedia: SSD. On-board graphics adapter model: Intel® UHD Graphics, Discreet grafische adapter model: NVIDIA GeForce RTX 3050. Inclusief besturingssysteem: Windows 11 Home. Kleur van het product: Zwart

Design		Grafisch	
Type product *	Laptop	Aparte grafische adapter *	✓
Kleur van het product *	Zwart	Familie ingebouwde grafische adapter	Intel® UHD Graphics
Vormfactor *	Clamshell	On-board graphics adapter model *	Intel® UHD Graphics
Beeldscherm		Audio	
Beeldschermdiagonaal *	39,6 cm (15.6")	Audiosysteem	Nahimic 3
Resolutie *	1920 x 1080 Pixels	Aantal ingebouwde luidsprekers	2
Touchscreen *	✗	Vermogen luidsprekers	2 W
HD type	Full HD	Camera	
Oorspronkelijke beeldverhouding	16:9	Camera voorzijde	✓
Antireflectiescherm	✓	Voorcamera HD-type	HD
Helderheid	250 cd/m ²	Video capturing speed	30 fps
Maximale refresh snelheid	144 Hz	Netwerk	
Processor		Wifi-standaard *	Wi-Fi 6 (802.11ax)
Processorfabrikant *	Intel	Wi-Fi-standaarden	Wi-Fi 6 (802.11ax)
Processorfamilie *	Intel® Core™ i7	Mobiele netwerkverbinding *	✗
Processorgeneratie	Intel® 13de generatie Core™ i7	WLAN-controller-model	Intel Wi-Fi 6 AX201
Processormodel *	i7-13620H	Fabrikant van de WLAN-controller	Intel
Aantal processorkernen	10	Ethernet LAN	✓
Maximale turbofrequentie van processor	4,9 GHz	Ethernet LAN, data-overdrachtsnelheden	10,100,1000 Mbit/s
Prestatiekernen	6	Bluetooth	✓
Efficiënte kernen	4	Bluetooth-versie	5.2
Performance-core Max Turbo Frequency	4,9 GHz	Poorten & interfaces	
Efficient-core Max Turbo Frequency	3,6 GHz	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *	2
Processor cache	24 MB	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type C *	1
Processor cache type	Smart Cache	Aantal Ethernet LAN (RJ-45)-poorten	1
Processor basisvermogen	45 W	Aantal HDMI-poorten *	1
Maximaal turbovermogen	115 W	HDMI versie	2.1
Geheugen		Combo koptelefoon/microfoon port	✓
Intern geheugen *	16 GB	Charging port type	DC-in ingang
Intern geheugentype	DDR5-SDRAM		
Kloksnelheid geheugen	5200 MHz		
Geheugenslots	2x SO-DIMM		

Geheugen		Toetsenbord	
Maximum intern geheugen *	64 GB	Aanwijsapparaat	Touchpad
Opslagmedia		Numeriek toetsenblok *	✓
Totale opslagcapaciteit *	512 GB	Keyboard met achtergrondverlichting	✓
Opslagmedia *	SSD	Kleur achtergrondverlichting van toetsenbord	Blauw
Totale capaciteit SSD's	512 GB	Software	
Aantal geïnstalleerde SSD's	1	Inclusief besturingssysteem *	Windows 11 Home
SSD capaciteit	512 GB	Accu/Batterij	
SSD interfaces	PCI Express 4.0	Aantal batterijcellen	3
NVMe	✓	Batterijcapaciteit *	53,5 Wh
SSD-vormfactor	M.2	Energie	
Soort optische drive *	✗	AC-adapter, vermogen	120 W
Grafisch		Gewicht en omvang	
Fabrikant van aparte grafische adapter	NVIDIA	Breedte	359 mm
Discreet grafische adapter model *	NVIDIA GeForce RTX 3050	Diepte	250 mm
Grafische geheugen	4 GB	Hoogte	22,9 mm
Specifiek grafisch geheugentype	GDDR6	Gewicht *	1,98 kg
Ingebouwde grafische adapter *	✓		



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