



MSI Commercial 14 H A13MG-032FR Intel® Core™ i5 i5-13420H Laptop 35,6 cm (14") Full HD+ 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : MSI

Article code: COMMERCIAL 14 H A13MG-032FR

Product name : Commercial 14 H A13MG-032FR

MSI Commercial 14 H A13MG-032FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-13420H. Display diagonal: 35,6 cm (14"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Pro. Product color: Grey. Weight: 1,6 kg



Design		Audio	
Colour name	Solid Gray	Number of built-in speakers	2
Product type *	Laptop	Speaker power	2 W
Product colour *	Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Display		Front camera resolution	1280 x 720 pixels
Display diagonal *	35.6 cm (14")	Front camera HD type	HD
Display resolution *	1920 x 1200 pixels	Video capturing speed	30 fps
Touchscreen *	✗	Network	
HD type	Full HD+	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	60 Hz	Mobile network connection *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6E AX211
Processor family *	Intel® Core™ i5	WLAN controller manufacturer	Intel
Processor generation	13th gen Intel® Core™ i5	Bluetooth	✓
Processor model *	i5-13420H	Bluetooth version	5.3
Processor cores	8	Ports & interfaces	
Processor boost frequency	4.6 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Performance cores	4	HDMI ports quantity *	1
Efficient cores	4	HDMI version	2.1
Performance-core Max Turbo Frequency	4.6 GHz	Thunderbolt 4 ports quantity	1
Efficient-core Max Turbo Frequency	3.4 GHz	Intel® Thunderbolt 4	✓
Processor cache	12 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	45 W		
Maximum turbo power	95 W		

Memory		Performance	
Internal memory *	16 GB	Repairability index	8
Internal memory type	DDR4-SDRAM	Keyboard	
Memory clock speed	3200 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	White
Maximum internal memory *	64 GB	Software	
Storage		Operating system installed *	Windows 11 Pro
Total storage capacity *	512 GB	Battery	
Storage media *	SSD	Number of battery cells	3
Total SSDs capacity	512 GB	Battery capacity *	53.8 Wh
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	90 W
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Kensington
Optical drive type *	✗	Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card *	✗	Width	313.7 mm
On-board graphics card family	Intel® UHD Graphics	Depth	236 mm
On-board graphics card model *	Intel® UHD Graphics	Height	18.6 mm
		Weight *	1.6 kg



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Publication date: 07-DEC-2024. Prints or copies of Information are only valid on the printed Publication date