MSI Commercial 14 H A13MG vPro-030FR Intel® Core™ i7 i7-13700H 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

VPRO-030FR

Product name: Commercial 14 H A13MG

vPro-030FR

MSI Commercial 14 H A13MG vPro-030FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700H. 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 Iris Xe 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 *	×		30 lp3
HD type	Full HD+	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	60 Hz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
	00 112	Mobile network connection *	×
Processor		Antenna type	2x2
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6E AX211
Processor family *	Intel® Core™ i7	WLAN controller manufacturer	Intel
Processor generation	13th gen Intel® Core™ i7	Ethernet LAN	✓
Processor model *	i7-13700H	Bluetooth	✓
Processor cores	14	Bluetooth version	5.3
Processor boost frequency	5 GHz	Ports & interfaces	
Performance cores	6		
Efficient cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Performance-core Max Turbo Frequency	5 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	3.7 GHz	HDMI version	2.1
Processor cache	24 MB	Thunderbolt 4 ports quantity	1
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Processor base power	45 W	Combo headphone/mic port	✓
Maximum turbo power	115 W	USB Type-C DisplayPort Alternate Mode	✓

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



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