



MSI Modern 16S AI+ G3MG-040BE Copilot+ PC Intel Core Ultra 5 322 Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : MSI

Product family: Modern

Product code: MODERN 16S
AI+ G3MG-040BE



Product name : Modern 16S
AI+ G3MG-040BE

- Windows 11 Home
- Intel Core Ultra 5 322 (12MB Cache)
- 16" Full HD+ 1920 x 1200 OLED
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 5 322 (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 16" Full HD+ 1920 x 1200 OLED, Intel Graphics, WLAN, Webcam, Windows 11 Home

MSI Modern 16S AI+ G3MG-040BE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 322. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Home. Product colour: Grey. Weight: 1.59 kg



Design		Storage	
Colour name	Platinum Gray	Optical drive type *	✗
Product type *	Laptop	Card reader integrated	✓
Product colour *	Grey	Compatible memory cards	MicroSD (TransFlash)
Form factor *	Clamshell	Graphics	
Housing material	Metal, Plastic	Discrete graphics card model *	Not available
Original brand name	MSI	On-board graphics card *	✓
Display		On-board GPU manufacturer	Intel
Display diagonal *	40.6 cm (16")	Discrete graphics card *	✗
Display resolution *	1920 x 1200 pixels	On-board graphics card family	Intel® Graphics
Touchscreen *	✗	On-board graphics card model *	Intel® Graphics
HD type	Full HD+	Audio	
Panel type	OLED	Audio system	DTS Audio Processing
Native aspect ratio	16:10	Number of built-in speakers	2
RGB colour space	DCI-P3	Speaker power	2 W
Colour gamut	100%	Camera	
Maximum refresh rate	60 Hz	Front camera	✓
Processor		Front camera HD type	HD
Processor manufacturer *	Intel	Infrared (IR) camera	✓
Processor family *	Intel Core Ultra 5	Privacy camera	✓
Processor generation	Intel® Core™ Ultra (Series 3)	Privacy type	Privacy shutter
Processor model *	322	Network	
Processor cores	6	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor threads	6	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor boost frequency	4.4 GHz	Mobile network connection *	✗
Performance cores	4	WLAN controller model	Intel Wi-Fi 6E AX211
Efficient cores	4	WLAN controller manufacturer	Intel
Low Power Efficient-cores	4		

Processor		Network	
Performance-core Max Turbo Frequency	4.4 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Bluetooth version	5.3
Low Power Efficient-core Max Turbo Frequency	3.3 GHz	Ports & interfaces	
Performance-core base frequency	2.5 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core base frequency	1.9 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Low Power Efficient-core Base Frequency	1.9 MHz	HDMI ports quantity *	1
Processor cache	12 MB	HDMI version	2.1
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Processor base power	25 W	Keyboard	
Maximum turbo power	55 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✓
Copilot+ PC	✓	Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit colour	White
Sparsity support	✓	Copilot key	✓
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	OpenVINO, Windows ML, WebNN, ONNX RT	Operating system installed *	Windows 11 Home
NPU performance up to	46 TOPs	Battery	
Memory		Number of battery cells	3
Internal memory *	16 GB	Battery capacity *	60 Wh
Internal memory type	DDR5-SDRAM	Battery weight	232 g
Memory layout (slots x size)	1 x 16 GB	Power	
Memory slots	2x SO-DIMM	USB Type-C charging port *	✓
Maximum internal memory *	64 GB	USB Power Delivery (USB PD)	✓
Storage		Security	
Total storage capacity *	512 GB	Trusted Platform Module (TPM)	✓
Storage media *	SSD	Trusted Platform Module (TPM) version	2.0
Total SSDs capacity	512 GB	Weight & dimensions	
Number of SSDs installed	1	Width	359.6 mm
SSD capacity	512 GB	Depth	250.9 mm
SSD interface	PCI Express 4.0	Height	17.9 mm
NVMe	✓	Weight *	1.59 kg
		Packaging content	
		AC adapter included *	✗
		Other features	
		Warranty period	3 year(s)



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