



MSI Modern 16S AI+ G3MG-038BE Copilot+ PC Intel Core Ultra 7 355 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-038BE

Product name : Modern 16S
AI+ G3MG-038BE

- Windows 11 Home
- Intel Core Ultra 7 355 (12MB Cache, 2.3GHz)
- 16" Full HD+ 1920 x 1200 OLED
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 7 355 (12MB Cache, 2.3GHz), 16GB DDR5-SDRAM, 512GB SSD, 16" Full HD+ 1920 x 1200 OLED, Intel Iris Xe Graphics, WLAN, Webcam, Windows 11 Home

MSI Modern 16S AI+ G3MG-038BE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 355, Processor frequency: 2.3 GHz. 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 Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Grey



Design		Graphics	
Colour name	Platinum Gray	Discrete graphics card model *	Not available
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✗
Housing material	Metal, Plastic	On-board graphics card family	Intel Iris Xe Graphics
Original brand name	MSI	On-board graphics card model *	Intel Iris Xe Graphics
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	DTS Audio Processing
Display resolution *	1920 x 1200 pixels	Number of built-in speakers	2
Touchscreen *	✗	Speaker power	2 W
HD type	Full HD+	Camera	
Panel type	OLED	Front camera	✓
Native aspect ratio	16:10	Front camera HD type	HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Privacy camera	✓
Maximum refresh rate	60 Hz	Privacy type	Privacy shutter
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 7	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor generation	Intel® Core™ Ultra (Series 3)	Mobile network connection *	✗
Processor model *	355	WLAN controller model	Intel Wi-Fi 6E AX211
Processor cores	8	WLAN controller manufacturer	Intel
Processor threads	8	Bluetooth	✓
Processor boost frequency	4.7 GHz	Bluetooth version	5.3
Processor frequency *	2.3 GHz		
Performance cores	4		
Efficient cores	4		
Low Power Efficient-cores	4		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core Max Turbo Frequency	3.5 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cache	12 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	HDMI version	2.1
Processor base power	25 W	Combo headphone/mic port	✓
Maximum turbo power	55 W		
Neural processor unit (NPU)		Keyboard	
Copilot+ PC	✓	Pointing device	Touchpad
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✓
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Keyboard backlit colour	White
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Copilot key	✓
NPU performance up to	49 TOPs		
Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Bundled software	DTS Audio Processing, MSI AI Engine, MSI Center S
Memory layout (slots x size)	1 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Battery	
Total storage capacity *	512 GB	Number of battery cells	3
Storage media *	SSD	Battery capacity *	60 Wh
Total SSDs capacity	512 GB	Battery weight	232 g
Number of SSDs installed	1		
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✓		
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	MicroSD (TransFlash)		
		Power	
		USB Type-C charging port *	✓
		USB Power Delivery (USB PD)	✓
		Security	
		Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0
		Weight & dimensions	
		Width	359.6 mm
		Depth	250.9 mm
		Height	17.9 mm
		Weight *	1.59 kg
		Packaging content	
		AC adapter included *	✗
		Other features	
		Warranty period	3 year(s)



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