



**MSI Summit E16 AI Evo A1MTG 019US Intel Core Ultra 5 125H Hybrid (2-in-1) 40.6 cm (16") Touchscreen Quad HD+ 16 GB LPDDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Black**

**Brand :** MSI

**Product family:** Summit

**Product code:** SUMMIT E16 AI  
EVO A1MTG-019US

**Product name :** Summit E16 AI  
Evo A1MTG 019US



- Windows 11 Home  
- Intel Core Ultra 5 125H (18MB Cache)  
- 40.6 cm (16") Quad HD+ 2560 x 1600 Touch  
- 16GB (6400MHz) LPDDR5-SDRAM & 512GB SSD  
Intel Core Ultra 5 125H (18MB Cache), 16GB LPDDR5-SDRAM, 512GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 Touch, Intel Arc Graphics, WLAN, Webcam, Windows 11 Home  
MSI Summit E16 AI Evo A1MTG 019US. Product type: Hybrid (2-in-1), Form factor: Convertible (Folder). Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Colour name	Ink Black	Discrete graphics card model *	Not available
Product type *	Hybrid (2-in-1)	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Convertible (Folder)	Discrete graphics card *	✗
Display		On-board graphics card family	Intel Arc Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel Arc Graphics
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✓	Audio system	Nahimic 3D
HD type	Quad HD+	Number of built-in speakers	2
Native aspect ratio	16:10	Speaker power	2 W
RGB colour space	DCI-P3	Built-in microphone	✓
Colour gamut	100%	Number of microphones	3
Maximum refresh rate	165 Hz	Camera	
Processor		Front camera	✓
Processor manufacturer *	Intel	Front camera resolution	1920 x 1080 pixels
Processor family *	Intel Core Ultra 5	Front camera HD type	Full HD
Processor generation	Intel® Core™ Ultra (Series 1)	Video capturing speed	30 fps
Processor model *	125H	Infrared (IR) camera	✓
Processor cores	14	Privacy type	Privacy shutter
Processor threads	18	Network	
Processor boost frequency	4.5 GHz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Performance cores	4	Wi-Fi standards	Wi-Fi 7 (802.11be)
Efficient cores	8	Mobile network connection *	✗
Low Power Efficient-cores	2	Ethernet LAN	✗
Performance-core Max Turbo Frequency	4.5 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Bluetooth version	5.4

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Performance-core base frequency	1.2 GHz	HDMI ports quantity *	1
Efficient-core base frequency	0.7 GHz	HDMI version	2.1
Low Power Efficient-core Base Frequency	700 MHz	Thunderbolt 4 ports quantity	2
Processor cache	18 MB	Intel® Thunderbolt 4	✓
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Processor base power	28 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	115 W	Performance	
Neural processor unit (NPU)		Ambient light sensor	✓
Neural processor unit (NPU)	Intel AI Boost	Accelerometer	✓
Maximum frequency NPU	1.4 GHz	Proximity sensor	✓
Sparsity support	✓	Gyroscope	✓
Windows Studio effects support	✓	Keyboard	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	16 GB	Keyboard backlit	✓
Internal memory type	LPDDR5-SDRAM	Keyboard backlit colour	White
Memory clock speed	6400 MHz	Software	
Memory form factor	On-board	Operating system installed *	Windows 11 Home
Maximum internal memory *	16 GB	Battery	
Storage		Number of battery cells	4
Total storage capacity *	512 GB	Battery capacity *	82 Wh
Storage media *	SSD	Power	
Total SSDs capacity	512 GB	AC adapter power	100 W
Number of SSDs installed	1	DC-in jack	✓
SSD capacity	512 GB	Security	
SSD interface	PCI Express 4.0	Fingerprint reader	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	Weight & dimensions	
Card reader integrated	✓	Width	358 mm
Compatible memory cards	MicroSD (TransFlash)	Depth	258.6 mm
		Height (front)	1.69 cm
		Height (rear)	1.74 cm
		Weight *	2.1 kg



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### Catalog Object Cloud



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