



MSI SUMMIT 16 AI EVO A2HMTG-032UK laptop Intel Core Ultra 7 255H Hybrid (2-in-1) 40.6 cm (16") Touchscreen Quad HD+ 32 GB LPDDR5-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : MSI

Product code: SUMMIT 16 AI EVO
A2HMTG-032UK

Product name : SUMMIT 16 AI EVO
A2HMTG-032UK

- Windows 11 Home
- Intel Core Ultra 7 255H (24MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600 Touch
- 32GB (6400MHz) LPDDR5-SDRAM & 1000GB SSD
Intel Core Ultra 7 255H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 Touch, Intel Arc 140T, WLAN, Webcam, Windows 11 Home

[MSI SUMMIT 16 AI EVO A2HMTG-032UK laptop Intel Core Ultra 7 255H Hybrid \(2-in-1\) 40.6 cm \(16"\) Touchscreen Quad HD+ 32 GB LPDDR5-SDRAM 1 TB SSD Wi-Fi 7 \(802.11be\) Windows 11 Home Black:](#)

Experience unmatched performance and refined style with the Summit 16 AI Evo. Its 16-inch touchscreen and MSI Pen 2 support unlock unlimited creativity. AI-powered features enhance your workflow, making it the ideal companion for achieving your peak performance.



Design		Graphics	
Colour name	Ink Black	On-board graphics card family	Intel Arc Graphics
Product type *	Hybrid (2-in-1)	On-board graphics card model *	Intel Arc 140T
Product colour *	Black	Audio	
Form factor *	Convertible (Folder)	Number of built-in speakers	2
Country of origin	China	Speaker power	2 W
Original brand name	MSI	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera resolution	1920 x 1080 pixels
Display resolution *	2560 x 1600 pixels	Front camera HD type	Full HD
Touchscreen *	✓	Video capturing speed	30 fps
HD type	Quad HD+	Infrared (IR) camera	✓
Maximum refresh rate	165 Hz	Privacy camera	✓
Processor		Privacy type	Privacy shutter
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 7	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor generation	Intel Core Ultra (Series 2)	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor model *	255H	Mobile network connection *	✗
Processor cores	16	Bluetooth	✓
Processor threads	16	Bluetooth version	5.4
Processor boost frequency	5.1 GHz	Ports & interfaces	
Performance cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient cores	8	HDMI ports quantity *	1
Low Power Efficient-cores	2	HDMI version	2.1
Performance-core Max Turbo Frequency	5.1 GHz	Thunderbolt 4 ports quantity	2
Efficient-core Max Turbo Frequency	4.4 GHz	Intel® Thunderbolt 4	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	1.5 GHz		
Low Power Efficient-core Base Frequency	700 MHz		
Processor cache	24 MB		

Processor		Performance	
Processor base power	28 W	Ambient light sensor	✓
Maximum turbo power	115 W	Accelerometer	✓
Neural processor unit (NPU)		Proximity sensor	✓
Neural processor unit (NPU)	Intel AI Boost	Gyroscope	✓
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Numeric keypad *	✓
Total processor performance up to	96 TOPs	Keyboard backlit	✓
NPU performance up to	13 TOPs	Keyboard backlit colour	White
GPU performance up to	74 TOPs	Copilot key	✓
Memory		Software	
Internal memory *	32 GB	Operating system installed *	Windows 11 Home
Internal memory type	LPDDR5-SDRAM	Battery	
Memory clock speed	6400 MHz	Number of battery cells	4
Memory form factor	On-board	Battery capacity *	82 Wh
Maximum internal memory *	32 GB	Power	
Storage		AC adapter power	100 W
Total storage capacity *	1 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Cable lock slot	✓
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	1 TB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✓	Weight & dimensions	
SSD form factor	M.2	Width	358 mm
Optical drive type *	✗	Depth	258.6 mm
Card reader integrated	✓	Height	16.9 mm
Compatible memory cards	MicroSD (TransFlash)	Height (front)	1.69 cm
		Height (rear)	1.74 cm
Graphics		Weight *	2.1 kg
Discrete graphics card model *	Not available	Packaging data	
On-board graphics card *	✓	Package width	499 mm
On-board GPU manufacturer	Intel	Package depth	88 mm
Discrete graphics card *	✗	Package height	333 mm
		Package weight	3.6 kg
		Package volume	14229.6 cm³
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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