



**MSI Cubi NUC AI+ 2MG-019US Copilot+ PC Intel Core Ultra 7 258V
32 GB LPDDR5x-SDRAM 1 TB SSD Windows 11 Pro Mini PC Black**

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI+
2MG-019US

Product name : Cubi NUC AI+
2MG-019US

- Windows 11 Pro

- Intel Core Ultra 7 258V (12MB Cache)

- 32GB LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 258V (12MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, Intel Arc Graphics 140V,
LAN, WLAN, Bluetooth, Windows 11 Pro

MSI Cubi NUC AI+ 2MG-019US. Processor family: Intel Core Ultra 7, Processor model: 258V. Internal
memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media:
SSD, Card reader integrated. On-board graphics card model: Intel Arc Graphics 140V. Wi-Fi. Operating
system installed: Windows 11 Pro. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC.
Weight: 667 g. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor family *	Intel Core Ultra 7	Number of USB ports with PowerShare support	1
Processor generation	Intel Core Ultra (Series 2)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	258V	Intel® Thunderbolt 4	✓
Processor cores	8	Thunderbolt 4 ports quantity	2
Processor threads	8	HDMI ports quantity *	1
Processor boost frequency	4.8 GHz	HDMI version	2.1
Performance cores	4	Ethernet LAN (RJ-45) ports	1
Low Power Efficient-cores	4	Microphone in	✓
Performance-core Max Turbo Frequency	4.8 GHz	Headphone outputs	1
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.2 GHz	Expansion slots	
Low Power Efficient-core Base Frequency	2200 MHz	PCI Express x1 slots	1
Processor cache	12 MB	PCI Express x1 (Gen 3.x) slots	1
Processor cache type	Smart Cache	PCI Express x16 slots	1
Processor base power	17 W	Design	
Maximum turbo power	37 W	Chassis type *	Mini PC
Neural processor unit (NPU)		Volume	0.826 L
Copilot+ PC	✓	Placement supported	Horizontal/Vertical
Neural processor unit (NPU)	Intel AI Boost	Number of 3.5" bays	1
Sparsity support	✓	Number of 2.5" bays	1
Windows Studio effects support	✓	Cable lock slot	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Cable lock slot type	Kensington
Total processor performance up to	115 TOPs	Product colour *	Black
NPU performance up to	47 TOPs	Performance	
GPU performance up to	64 TOPs	Market positioning	Business
Memory		Powered by	MSI
Internal memory *	32 GB	Motherboard form factor	NUC
Maximum internal memory *	32 GB	Audio chip	Realtek ALC256
Internal memory type	LPDDR5x-SDRAM	Audio system	High Definition Audio
		Built-in speaker(s)	✓

Storage		Performance	
Total storage capacity *	1 TB	Trusted Platform Module (TPM)	✓
Storage media *	SSD	Product type *	Mini PC
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Total SSDs capacity	1 TB	Software	
Number of SSDs installed	1	Operating system installed *	Windows 11 Pro
SSD capacity	1 TB	Power	
SSD interface	PCI Express	Power supply *	120 W
NVMe	✓	Operational conditions	
SSD form factor	M.2	Operating temperature (T-T)	0 - 35 °C
M.2 SSD size	2280 (22 x 80 mm)	Storage temperature (T-T)	-20 - 60 °C
Card reader integrated	✓	Operating relative humidity (H-H)	0 - 85%
Compatible memory cards	MicroSD (TransFlash)	Storage relative humidity (H-H)	0 - 90%
Graphics		Certificates	
Discrete graphics card *	✗	Compliance certificates	CB, Federal Communications Commission (FCC)
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card model *	Not available	Width *	135.6 mm
On-board GPU manufacturer	Intel	Depth *	132.5 mm
On-board graphics card family	Intel Arc Graphics	Height *	50.1 mm
On-board graphics card model *	Intel Arc Graphics 140V	Weight *	667 g
Network		Package width	205 mm
Ethernet LAN *	✓	Package depth	220 mm
Ethernet LAN data rates	2500 Mbit/s	Package height	94 mm
Cabling technology	10/100/1000Base-T(X)	Package weight	1.68 kg
LAN controller	Intel I226-V	Packaging content	
Wi-Fi *	✓	Mouse included	✗
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Keyboard included	✗
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Display	
WLAN controller manufacturer	Intel	Display included *	✗
WLAN controller model	Intel Wi-Fi 6E AX211	Technical details	
Antenna type	2x2	Statement of conformance & platform certificate included	✓
Bluetooth	✓	Not classified as hazardous under GHS	✓
Bluetooth version	5.3	Other features	
Ports & interfaces		Warranty period	3 year(s)
USB 2.0 ports quantity *	2		



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