msi

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

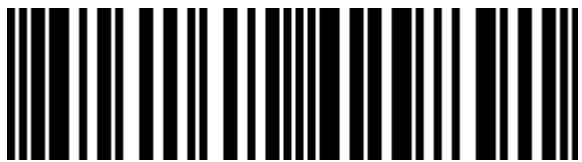**Product code:** CUBI NUC AI+ 2MG-019US

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

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model *	258V
Processor cores	8
Processor threads	8
Processor boost frequency	4.8 GHz
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.8 GHz
Low Power Efficient-core Max Turbo Frequency	3.7 GHz
Performance-core base frequency	2.2 GHz
Low Power Efficient-core Base Frequency	2200 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	17 W
Maximum turbo power	37 W

Neural processor unit (NPU)

Copilot+ PC	✔
Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	115 TOPs
NPU performance up to	47 TOPs
GPU performance up to	64 TOPs

Memory

Internal memory *	32 GB
Maximum internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Number of USB ports with PowerShare support	1
USB Type-C DisplayPort Alternate Mode	✔
Intel® Thunderbolt 4	✔
Thunderbolt 4 ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Combo headphone/mic port	✔

Expansion slots

PCI Express x1 slots	1
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 slots	1

Design

Chassis type *	Mini PC
Volume	0.826 L
Placement supported	Horizontal/Vertical
Number of 3.5" bays	1
Number of 2.5" bays	1
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Performance

Market positioning	Business
Powered by	MSI
Motherboard form factor	NUC
Audio chip	Realtek ALC256
Audio system	High Definition Audio
Built-in speaker(s)	✔

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Optical drive type *	✗
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2
M.2 SSD size	2280 (22 x 80 mm)
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete graphics card *	✗
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board GPU manufacturer	Intel
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics 140V

Network

Ethernet LAN *	✔
Ethernet LAN data rates	2500 Mbit/s
Cabling technology	10/100/1000Base-T(X)
LAN controller	Intel I226-V
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6E AX211
Antenna type	2x2
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 2.0 ports quantity *	2

Performance

Trusted Platform Module (TPM)	✔
Product type *	Mini PC
Trusted Platform Module (TPM) version	2.0

Software

Operating system installed *	Windows 11 Pro

Power

Power supply *	120 W

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	0 - 85%
Storage relative humidity (H-H)	0 - 90%

Certificates

Compliance certificates	CB, Federal Communications Commission (FCC)

Weight & dimensions

Width *	135.6 mm
Depth *	132.5 mm
Height *	50.1 mm
Weight *	667 g
Package width	205 mm
Package depth	220 mm
Package height	94 mm
Package weight	1.68 kg

Packaging content

Mouse included	✗
Keyboard included	✗

Display

Display included *	✗

Technical details

Statement of conformance & platform certificate included	✔
Not classified as hazardous under GHS	✔

Other features

Warranty period	3 year(s)

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