



MSI Cubi NUC AI+ 2MG Intel Core Ultra 7 258V, Desktop PC, NUC, SFF, Mini Computer, HTPC, (32GB RAM, 1TB Storage, Windows 11 PRO NextGen Premium), Intel Arc Graphics/Embedded DDR5/Dual ThunderBolt 4/HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI+
2MG I7 258V FS 32GB 1TB
W11PP

Product name : MSI Cubi NUC
AI+ 2MG Intel Core Ultra 7 258V,
Desktop PC, NUC, SFF, Mini
Computer, HTPC, (32GB RAM,
1TB Storage, Windows 11 PRO
NextGen Premium), Intel Arc
Graphics/Embedded DDR5/Dual
ThunderBolt 4/HDMI/Dual
LAN/WiFi 6E/BT 5.3/VESA

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MSI Cubi NUC AI+ 2MG Intel Core Ultra 7 258V, Desktop PC, NUC, SFF, Mini Computer, HTPC, (32GB RAM, 1TB Storage, Windows 11 PRO NextGen Premium), Intel Arc Graphics/Embedded DDR5/Dual ThunderBolt 4/HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA. Processor frequency: 2.2 GHz, Processor family: Intel Core Ultra 7, Processor model: 258V. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM, Memory clock speed: 7467 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC. Product colour: Black

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Processor		Network	
Processor manufacturer *	Intel	Bluetooth version	5.3
Processor family *	Intel Core Ultra 7	Bluetooth Low Energy (BLE)	✓
Processor model *	258V	Wake-on-LAN ready	✓
Processor cores	8	Miracast	✓
Processor threads	4	Ports & interfaces	
Processor boost frequency	4.8 GHz	USB 2.0 ports quantity *	2
Processor frequency *	2.2 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Performance cores	4	PowerShare	✓
Low Power Efficient-cores	4	Number of USB ports with PowerShare support	1
Performance-core Max Turbo Frequency	4.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	2.2 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Base Frequency	2.2 MHz	Intel® Thunderbolt 5	✗
Processor cache	12 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	HDMI version	2.1
Number of processors installed	1	Ethernet LAN (RJ-45) ports	1
Processor base power	17 W	Combo headphone/mic port	✓
Maximum turbo power	37 W	Headphone outputs	1
Neural processor unit (NPU)		Line-out	✗
Copilot+ PC	✗	Line-in	✗
Neural processor unit (NPU)	Intel AI Boost	Microphone in	✓
Sparsity support	✓	DVI port	✗
Windows Studio effects support	✓	S/PDIF out port	✗
AI datatype support on NPU	FP16, Int8	DC-in jack	✗
AI software frameworks supported by NPU	ONNX RT, OpenVINO		

Neural processor unit (NPU)		Ports & interfaces	
Total processor performance up to	34 TOPs	Number of rear USB ports	2
NPU performance up to	10 TOPs	Number of front USB ports	2
GPU performance up to	15 TOPs	Number of front audio ports	1
Memory		Fiber NIC port (Flex I/O)	✗
Internal memory *	32 GB	Expansion slots	
Maximum internal memory *	96 GB	Number of 3.5" bays	1
Internal memory type	LPDDR5x-SDRAM	PCI Express x1 slots	1
Memory layout (slots x size)	1 x 32 GB	PCI Express x1 (Gen 3.x) slots	1
Memory slots	1x SO-DIMM	PCI Express x16 slots	1
Memory clock speed	7467 MHz	PCI Express x16 (Gen 3.x) slots	1
ECC	✗	Power	
Non-ECC	✓	Power supply *	120 W
Memory channels	Dual-channel	Power supply input voltage	100 - 240 V
Buffered memory type	Clocked unregistered (unbuffered)	Power supply input frequency	50 - 60 Hz
Memory data transfer rate	7467 MT/s	Design	
Storage		Chassis type *	Mini PC
Total storage capacity *	1 TB	Colour name	black
Storage media *	SSD	Placement supported	Horizontal/Vertical
Optical drive type *	✗	VESA mounting	✓
Number of storage drives installed	1	Water cooling system	✗
Number of storage drives supported	1	Number of 2.5" bays	1
Total HDDs capacity	0 GB	Cable lock slot	✗
Total SSDs capacity	1 TB	Cable lock slot type	Kensington
Number of SSDs installed	1	Product colour *	Black
SSD capacity	1 TB	Copilot key	✗
SSD memory type	TLC	Housing material	Metal, Plastic
SSD interface	PCI Express	Viewing window	✗
NVMe	✓	RGB memory lighting	✗
SSD form factor	M.2	Introduction year	2025
M.2 SSD size	2280 (22 x 80 mm)	Introduction month	June
Card reader integrated	✗	Country of origin	China
Intel® Optane™ Memory module installed	✗	Refurbished	✗
Graphics		Certified refurbished	✗
Discrete graphics card *	✗	Software	
On-board graphics card *	✓	Operating system architecture	64-bit
On-board GPU manufacturer	Intel	Operating system language	English
On-board graphics card family	Intel Arc Graphics	Windows 11 free upgrade	✗
On-board graphics card model *	Intel Arc Graphics	Operating system installed *	Windows 11 Pro
On-board graphics card cores	8	Apple Intelligence	✗
On-board graphics card 6K support	✓	Drivers included	✓
On-board graphics card 8K support	✓	Processor special features	
Number of external displays supported	4	Video decode engine	✓
Graphics card Open GL support	✓	Video encode engine	✓
NVIDIA G-SYNC	✗	Display	
NVIDIA GameWorks VR	✗	Display included *	✗
CUDA	✗	Audio	
AMD FreeSync	✓	Audio chip	Realtek ALC256
Ray tracing acceleration	✓	Audio system	High Definition Audio
Performance		Number of speakers	2
Market positioning	Business	Built-in microphone	✗
Powered by	MSI	Operational conditions	
Virtual Reality (VR) ready	✗	Operating temperature (T-T)	0 - 40 °C
Motherboard form factor	NUC	Storage temperature (T-T)	-20 - 60 °C
Password protection	✓	Operating relative humidity (H-H)	10 - 90%
Password protection type	BIOS		

Performance		Weight & dimensions	
Fingerprint reader	✗	Width *	135.6 mm
BIOS type	UEFI	Depth *	132.5 mm
Trusted Platform Module (TPM)	✓	Height *	50.1 mm
Product type *	Mini PC	Weight *	630 g
Trusted Platform Module (TPM) version	2.0	Packaging data	
Audio output channels	2.0 channels	Package width	205 mm
Built-in speaker(s)	✓	Package depth	220 mm
Network		Package height	94 mm
Ethernet LAN *	✓	Package weight	1.38 kg
Ethernet LAN data rates	2500 Mbit/s	Packaging content	
Cabling technology	10/100/1000Base-T(X)	Mouse included	✗
LAN controller	Intel I226-V	Keyboard included	✗
Wi-Fi *	✓	Numeric keypad	✗
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Cables included	AC
Wi-Fi standards	Wi-Fi 6E (802.11ax)	VESA mount included	✓
WLAN controller manufacturer	Intel	Screws included	✓
WLAN controller model	Intel Wi-Fi 6E AX211	Manual	✓
Antenna type	2x2	Certificates	
Bluetooth	✓	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
		Compliance certificates	CB, Federal Communications Commission (FCC)
		Keyboard	
		Keyboard backlit	✗
		Technical details	
		Statement of conformance & platform certificate included	✓
		Not classified as hazardous under GHS	✓
		Other features	
		TV tuner integrated	✗
		Locale	English
		Warranty period	3 year(s)



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