



MSI Cubi NUC AI 1UMG i5 125H FS 16GB 500GB W11P Intel Core Ultra 5 DDR5-SDRAM 512 GB SSD Windows 11 Pro Mini PC Black

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI 1UMG i5 125H FS 16GB 500GB W11P

Product name : Cubi NUC AI 1UMG i5 125H FS 16GB 500GB W11P

- Up to Intel® Core™ Ultra 5 processor 125H with Intel® AI Boost NPU
- Supports DDR5 5200MHz memory
- Supports 1x M.2 2280 SSD (PCIe, factory pre-installed), 1x M.2 2242 SSD (PCIe)
- Quadruple monitor support (Thunderbolt 4, HDMI 2.1)
- 1 x USB 10GbpsType-C port front, 2 x USB 10GbpsType-A ports front
- MSI Power Link support
- MSI Power Meter software
- Dual 2.5G LAN, Wi-fi 6E AX211 & BT 5.3

MSI Cubi NUC AI 1UMG Intel Core Ultra 5 125H, Desktop PC, NUC AI 1UMG, SFF, Mini Computer, HTPC, (16GB RAM, 500GB Storage, Windows 11 PRO), Intel Graphics/DDR5/Dual ThunderBolt 4/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	2
Processor family *	Intel Core Ultra 5	Intel® Thunderbolt 5	✗
Processor model *	125H	DVI port	✗
Processor cores	14	HDMI ports quantity *	2
Processor threads	18	HDMI version	2.1
Processor boost frequency	4.5 GHz	DisplayPorts quantity	2
Processor frequency *	1.2 GHz	DisplayPort version	1.4
Performance cores	6	Ethernet LAN (RJ-45) ports	1
Efficient cores	8	Microphone in	✗
Performance-core Max Turbo Frequency	4.5 GHz	Line-out	✗
Efficient-core Max Turbo Frequency	3.5 GHz	Line-in	✗
Performance-core base frequency	1.2 GHz	Combo headphone/mic port	✗
Efficient-core base frequency	0.8 GHz	S/PDIF out port	✗
Processor cache	18 MB	DC-in jack	✗
Processor cache type	Smart Cache	Number of rear USB ports	4
Number of processors installed	1	Number of front USB ports	2
Processor base power	28 W	Number of front audio ports	1
Maximum turbo power	115 W	Number of rear audio ports	2
Neural processor unit (NPU)		Fiber NIC port (Flex I/O)	✗
Neural processor unit (NPU)	✗	Design	
Sparsity support	✗	Chassis type *	Mini PC
Windows Studio effects support	✗	Colour name	black
Memory		Volume	1.35 L
Internal memory *	16 GB	Placement supported	Horizontal/Vertical
Maximum internal memory *	64 GB	VESA mounting	✓
Internal memory type	DDR5-SDRAM	Water cooling system	✗
Memory layout (slots x size)	2 x 8 GB	Cable lock slot	✗
Memory slots	2x SO-DIMM	Product colour *	Black
Memory clock speed	5600 MHz	Copilot key	✓
ECC	✗	Housing material	Metal, Plastic
Non-ECC	✓	Viewing window	✗
Memory channels	Dual-channel	RGB memory lighting	✗
Memory data transfer rate	5600 MT/s	Country of origin	China
		Certified refurbished	✗

Storage		Performance	
Total storage capacity *	512 GB	Market positioning	Business
Storage media *	SSD	Powered by	Intel
Optical drive type *	✗	Virtual Reality (VR) ready	✓
Number of storage drives installed	1	Motherboard chipset	ZhaoXin SoC
Number of storage drives supported	2	Audio chip	Realtek ALC256
Total HDDs capacity	0 GB	Audio system	High Definition Audio
HDD capacity	0 GB	Audio output channels	2.0 channels
Total SSDs capacity	512 GB	Built-in speaker(s)	✗
Number of SSDs installed	1	Password protection	✓
SSD capacity	512 GB	Password protection type	BIOS, User
SSD interface	PCI Express 4.0	Fingerprint reader	✗
NVMe	✓	BIOS type	UEFI
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
M.2 SSD size	2280 (22 x 80 mm)	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✗	Product type *	Mini PC
Intel® Optane™ Memory module installed	✗	Software	
Intel® Optane™ Memory module capacity	0 GB	Operating system installed *	Windows 11 Pro
Embedded storage capacity	0 MB	Operating system architecture	64-bit
Graphics		Windows 11 free upgrade	✓
Discrete graphics card *	✗	Operating system language	English
Discrete GPU manufacturer	Intel	Apple Intelligence	✗
On-board graphics card *	✓	Copilot+ PC	✗
Discrete graphics card model *	Not available	Drivers included	✓
On-board GPU manufacturer	Intel	Pre-installed software	Yes
On-board graphics card family	Intel Arc Graphics	Processor special features	
On-board graphics card model *	Intel Arc Graphics	Video decode engine	✓
On-board graphics card cores	8	Video encode engine	✓
On-board graphics card 6K support	✓	Power	
On-board graphics card 8K support	✓	Power supply *	120 W
Number of external displays supported	4	Power supply input voltage	100 - 240 V
Graphics card Open GL support	✓	Power supply input frequency	50 - 60 Hz
NVIDIA G-SYNC	✗	Power consumption (typical)	35 W
NVIDIA GameWorks VR	✗	Power consumption (standby)	5 W
CUDA	✗	Power consumption (max)	115 W
AMD FreeSync	✗	USB Type-C output power	15 W
Ray tracing acceleration	✓	Operational conditions	
Graphics card HDMI ports quantity	2	Operating temperature (T-T)	0 - 35 °C
Graphics card DisplayPorts quantity	2	Storage temperature (T-T)	-20 - 60 °C
Graphics card USB Type-C ports quantity	1	Operating relative humidity (H-H)	8 - 85%
		Storage relative humidity (H-H)	0 - 90%
Network		Certificates	
Ethernet LAN *	✓	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
Ethernet LAN data rates	1000 Mbit/s	PSTI certified	✗
Cabling technology	10/100/1000Base-T(X)	Compliance certificates	CE, Federal Communications Commission (FCC)
LAN controller	Realtek RTL8111H	Weight & dimensions	
Wi-Fi *	✓	Width *	119.6 mm
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Depth *	115.2 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Height *	37.5 mm
WLAN controller manufacturer	Intel	Package width	205 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Package depth	220 mm
Antenna type	2x2	Package height	94 mm
Bluetooth	✓	Packaging content	
Bluetooth version	5.3	Mouse included	✗
Bluetooth Low Energy (BLE)	✓		
Wake-on-LAN ready	✓		

Network		Packaging content	
Miracast	✓	Keyboard included	✗
Ports & interfaces		Keyboard backlit	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Numeric keypad	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Cables included	Power
PowerShare	✗	Power cable length	1.2 m
USB Type-C DisplayPort Alternate Mode	✓	VESA mount included	✓
Intel® Thunderbolt 4	✓	Screws included	✓
		Manual	✓
		Display	
		Display included *	✗
		Technical details	
		Statement of conformance & platform certificate included	✗
		Not classified as hazardous under GHS	✓
		Other features	
		Video compression formats	AVC, AVI, HEVC
		Video formats supported	MKV, MP4, VP9
		TV tuner integrated	✗
		Built-in microphone	✗
		Special features	Thunderbolt 4, VESA Mount Kit
		Locale	English
		Warranty period	3 year(s)



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