



MSI Cubi NUC AI 1UMG i7 155H FS 16GB 1TB W11P Intel Core Ultra 7 DDR5-SDRAM SSD Windows 11 Pro Mini PC Black

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI
1UMG i7 155H FS 16GB 1TB
W11P

Product name : Cubi NUC AI
1UMG i7 155H FS 16GB 1TB
W11P



- Up to Intel® Core™ Ultra 7 processor 155H 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 7 155H, Desktop PC, NUC AI 1UMG, SFF, Mini Computer, HTPC, (16GB RAM, 1TB 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	Intel® Thunderbolt 4	✓
Processor family *	Intel Core Ultra 7	Thunderbolt 4 ports quantity	2
Processor model *	155H	Intel® Thunderbolt 5	✗
Processor cores	16	DVI port	✗
Processor threads	22	HDMI ports quantity *	2
Processor boost frequency	4.8 GHz	HDMI version	2.1a
Processor frequency *	1.4 GHz	DisplayPorts quantity	2
Performance cores	6	DisplayPort version	1.4
Efficient cores	8	Ethernet LAN (RJ-45) ports	1
Low Power Efficient-cores	2	Microphone in	✗
Performance-core Max Turbo Frequency	4.8 GHz	Line-out	✗
Efficient-core Max Turbo Frequency	3.8 GHz	Line-in	✗
Performance-core base frequency	1.4 GHz	Combo headphone/mic port	✗
Efficient-core base frequency	1 GHz	S/PDIF out port	✗
Low Power Efficient-core Base Frequency	800 MHz	DC-in jack	✗
Processor cache	24 MB	Number of rear USB ports	4
Processor cache type	Smart Cache	Number of front USB ports	2
Number of processors installed	1	Number of front audio ports	1
Processor base power	28 W	Number of rear audio ports	2
Maximum turbo power	115 W	Fiber NIC port (Flex I/O)	✗
Neural processor unit (NPU)		Design	
Neural processor unit (NPU)	✗	Chassis type *	Mini PC

Neural processor unit (NPU)		Design	
Sparsity support	✗	Colour name	black
Windows Studio effects support	✗	Volume	1.35 L
Memory		Placement supported	Horizontal/Vertical
Internal memory *	16 GB	VESA mounting	✓
Maximum internal memory *	64 GB	Water cooling system	✗
Internal memory type	DDR5-SDRAM	Cable lock slot	✗
Memory layout (slots x size)	2 x 8 GB	Product colour *	Black
Memory slots	2x SO-DIMM	Copilot key	✓
Memory clock speed	5600 MHz	Housing material	Metal, Plastic
ECC	✗	Viewing window	✗
Non-ECC	✓	RGB memory lighting	✗
Memory channels	Dual-channel	Country of origin	China
Memory data transfer rate	5600 MT/s	Certified refurbished	✗
Storage		Performance	
Total storage capacity *	1 TB	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	1 TB	Built-in speaker(s)	✗
Number of SSDs installed	1	Password protection	✓
SSD capacity	1 TB	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 *	✓	Compatible operating systems	Windows 11 / Windows 10 Pro)
Discrete graphics card model *	Not available	Copilot+ PC	✗
On-board GPU manufacturer	Intel	Drivers included	✓
On-board graphics card family	Intel Arc Graphics	Pre-installed software	Yes
On-board graphics card model *	Intel Arc Graphics	Processor special features	
On-board graphics card cores	128	Video decode engine	✓
On-board graphics card 6K support	✓	Video encode engine	✓
On-board graphics card 8K support	✓	Power	
Number of external displays supported	4	Power supply *	120 W
Graphics card Open GL support	✓	Power supply input voltage	100 - 240 V
NVIDIA G-SYNC	✗	Power supply input frequency	50 - 60 Hz
NVIDIA GameWorks VR	✗	Power consumption (typical)	35 W
CUDA	✗	Power consumption (standby)	5 W
AMD FreeSync	✗	Power consumption (max)	115 W
Ray tracing acceleration	✓	USB Type-C output power	15 W
Graphics card HDMI ports quantity	2	Operational conditions	
Graphics card DisplayPorts quantity	2	Operating temperature (T-T)	0 - 35 °C
Graphics card USB Type-C ports quantity	1	Storage temperature (T-T)	-20 - 60 °C
		Operating relative humidity (H-H)	0 - 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)	✓	Keyboard included	✗
Wake-on-LAN ready	✓	Keyboard backlit	✗
Miracast	✓	Numeric keypad	✗
Ports & interfaces		Cables included	Power
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Power cable length	1.2 m
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	VESA mount included	✓
PowerShare	✗	Screws included	✓
USB Type-C DisplayPort Alternate Mode	✓	Manual	✓
		Display	
		Display included *	✗
		Technical details	
		Statement of conformance & platform certificate included	✗
		Not classified as hazardous under GHS	✓
		Other features	
		Video compression formats	AV1, AVC, 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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