



MSI Cubi NUC AI 1UMG Intel Core Ultra 7 155H, Desktop PC, NUC, 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

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI 1UMG I7 155H FS 16GB 1TB W11P

Product name : MSI Cubi NUC AI 1UMG Intel Core Ultra 7 155H, Desktop PC, NUC, 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

- 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

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Processor		Network	
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 7	Bluetooth	✓
Processor model *	155H	Bluetooth version	5.3
Processor cores	16	Bluetooth Low Energy (BLE)	✓
Processor threads	22	Wake-on-LAN ready	✓
Processor boost frequency	4.8 GHz	Miracast	✓
Processor frequency *	1.4 GHz	Ports & interfaces	
Performance cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Efficient cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Low Power Efficient-cores	2	PowerShare	✗
Performance-core Max Turbo Frequency	4.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	1.4 GHz	Thunderbolt 4 ports quantity	2
Efficient-core base frequency	1 GHz	Intel® Thunderbolt 5	✗
Low Power Efficient-core Base Frequency	800 MHz	DisplayPorts quantity	2
Processor cache	24 MB	DisplayPort version	1.4
Processor cache type	Smart Cache	HDMI ports quantity *	2
Number of processors installed	1	HDMI version	2.1
Processor base power	28 W	Ethernet LAN (RJ-45) ports	1
Maximum turbo power	115 W	Combo headphone/mic port	✗
Neural processor unit (NPU)		Line-out	✗
Copilot+ PC	✗	Line-in	✗
Neural processor unit (NPU)	✗	Microphone in	✗
Sparsity support	✗	DVI port	✗
Windows Studio effects support	✗		

Memory		Ports & interfaces	
Internal memory *	16 GB	S/PDIF out port	✗
Maximum internal memory *	64 GB	DC-in jack	✗
Internal memory type	DDR5-SDRAM	Number of rear USB ports	4
Memory layout (slots x size)	2 x 8 GB	Number of front USB ports	2
Memory slots	2x SO-DIMM	Number of front audio ports	1
Memory clock speed	5600 MHz	Number of rear audio ports	2
ECC	✗	Fiber NIC port (Flex I/O)	✗
Non-ECC	✓	Power	
Memory channels	Dual-channel	Power supply *	120 W
Memory data transfer rate	5600 MT/s	Power supply input voltage	100 - 240 V
Storage		Power supply input frequency	50 - 60 Hz
Total storage capacity *	1 TB	Power consumption (typical)	35 W
Storage media *	SSD	Power consumption (standby)	5 W
Optical drive type *	✗	Power consumption (max)	115 W
Number of storage drives installed	1	USB Type-C output power	15 W
Number of storage drives supported	2	Design	
Total HDDs capacity	0 GB	Chassis type *	Mini PC
HDD capacity	0 GB	Colour name	black
Total SSDs capacity	1 TB	Volume	1.35 L
Number of SSDs installed	1	Placement supported	Horizontal/Vertical
SSD capacity	1 TB	VESA mounting	✓
SSD interface	PCI Express 4.0	Water cooling system	✗
NVMe	✓	Cable lock slot	✗
SSD form factor	M.2	Product colour *	Black
M.2 SSD size	2280 (22 x 80 mm)	Copilot key	✓
Card reader integrated	✗	Housing material	Metal, Plastic
Intel® Optane™ Memory module installed	✗	Viewing window	✗
Intel® Optane™ Memory module capacity	0 GB	RGB memory lighting	✗
Embedded storage capacity	0 MB	Introduction year	2025
Graphics		Introduction month	June
Discrete graphics card *	✗	Country of origin	China
Discrete GPU manufacturer	Intel	Certified refurbished	✗
On-board graphics card *	✓	Software	
Discrete graphics card model *	Not available	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	128	Apple Intelligence	✗
On-board graphics card 6K support	✓	Compatible operating systems	Windows 11 / Windows 10□Pro)
On-board graphics card 8K support	✓	Drivers included	✓
Number of external displays supported	4	Pre-installed software	✓
Graphics card Open GL support	✓	Processor special features	
NVIDIA G-SYNC	✗	Video decode engine	✓
NVIDIA GameWorks VR	✗	Video encode engine	✓
CUDA	✗	Display	
AMD FreeSync	✗	Display included *	✗
Ray tracing acceleration	✓	Audio	
Graphics card HDMI ports quantity	2	Audio chip	Realtek ALC256
Graphics card DisplayPorts quantity	2	Audio system	High Definition Audio
Graphics card USB Type-C ports quantity	1	Built-in microphone	✗
Performance		Operational conditions	
Market positioning	Business	Operating temperature (T-T)	0 - 35 °C
Powered by	Intel	Storage temperature (T-T)	-20 - 60 °C
Virtual Reality (VR) ready	✓	Operating relative humidity (H-H)	0 - 85%

Performance		Operational conditions	
Motherboard form factor	NUC	Storage relative humidity (H-H)	0 - 90%
Password protection	✓	Weight & dimensions	
Password protection type	BIOS, User	Width *	119.6 mm
Fingerprint reader	✗	Depth *	115.2 mm
BIOS type	UEFI	Height *	37.5 mm
Trusted Platform Module (TPM)	✓	Packaging data	
Product type *	Mini PC	Package width	205 mm
Trusted Platform Module (TPM) version	2.0	Package depth	220 mm
Audio output channels	2.0 channels	Package height	94 mm
Built-in speaker(s)	✗	Packaging content	
Network		Mouse included	✗
Ethernet LAN *	✓	Keyboard included	✗
Ethernet LAN data rates	1000 Mbit/s	Numeric keypad	✗
Cabling technology	10/100/1000Base-T(X)	Cables included	Power
LAN controller	Realtek RTL8111H	Power cable length	1.2 m
Wi-Fi *	✓	VESA mount included	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Screws included	✓
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Manual	✓
WLAN controller manufacturer	Intel	Certificates	
WLAN controller model	Intel Wi-Fi 6E AX211	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
		PSTI certified	✗
		Compliance certificates	CE, Federal Communications Commission (FCC)
		Keyboard	
		Keyboard backlit	✗
		Multimedia	
		Video compression formats	AV1, AVC, HEVC
		Video formats supported	MKV, MP4, VP9
		Technical details	
		Statement of conformance & platform certificate included	✗
		Not classified as hazardous under GHS	✓
		Other features	
		TV tuner integrated	✗
		Special features	Thunderbolt 4, VESA Mount Kit
		Locale	English
		Warranty period	3 year(s)



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