



MSI Cubi NUC AI 1UMG Intel Core Ultra 7 155H, Barebone, NUC, SFF, Mini Computer, HTPC, (NO RAM, NO Storage, NO OS), 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 BB

Product name : MSI Cubi NUC
AI 1UMG Intel Core Ultra 7 155H,
Barebone, NUC, SFF, Mini
Computer, HTPC, (NO RAM, NO
Storage, NO OS), 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		Processor special features	
Processor manufacturer	Intel	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor family	Intel Core Ultra 7	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model	155H	Intel® Quick Sync Video Technology	✓
Processor cores	16	Intel® InTru™ 3D Technology	✗
Processor threads	22	Intel® Insider™	✗
Processor boost frequency	4.8 GHz	Intel® Wireless Display (Intel® WiDi)	✗
Processor frequency	1.4 GHz	Intel FDI Technology	✗
Performance cores	6	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Efficient cores	8	Intel® Turbo Boost Technology	✓
Low Power Efficient-cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Performance-core Max Turbo Frequency	4.8 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Performance-core base frequency	1.4 GHz	Intel 64	✓
Efficient-core base frequency	1 GHz	Intel® My WiFi Technology (Intel® MWT)	✗
Low Power Efficient-core Base Frequency	800 MHz	Idle States	✓
Built-in processor *	✓	Enhanced Intel SpeedStep Technology	✓
Processor lithography	7 nm	Intel Demand Based Switching	✓
Processor cache	24 MB	Thermal Monitoring Technologies	✓
L2 cache	12 MB	Intel Fast Memory Access	✗
L3 cache	12 MB	Intel Flex Memory Access	✓
Thermal Design Power (TDP)	28 W		
ECC supported by processor	✗		
Memory			
Memory slots type *	SO-DIMM		
Number of memory slots *	2		
Maximum internal memory	64 GB		
Supported memory clock speeds	5200 MHz		

Memory		Processor special features	
Supported memory types	DDR5-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Memory channels	Dual-channel	Intel Trusted Execution Technology	✗
Memory bandwidth (max)	64 GB/s	Execute Disable Bit	✓
ECC	✗	Intel® Smart Cache	✓
Non-ECC	✗	Intel Visual BIOS	✗
Storage		Intel Express BIOS update	✗
Supported storage drive types *	SSD	Intel TSX-NI	✗
Storage drive sizes supported *	M.2	Intel® Matrix Storage Technology (Intel® MST)	✗
Storage drive interface	PCI Express	Intel Smart Connect Technology	✗
NVMe	✓	Intel® Small Business Advantage (Intel® SBA)	✗
Number of storage drives supported	2	Intel® Secure Key	✓
Card reader integrated	✗	Intel® Smart Response Technology	✗
Audio		Intel Stable Image Platform Program (SIPP)	✗
Built-in speaker(s) *	✗	Intel® OS Guard	✓
Network		Conflict-Free	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Intel® Rapid Start Technology	✗
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Intel Advanced Management Technology	✗
WLAN controller model	Intel Wi-Fi 6E AX211	Intel Clear Video Technology	✓
Ethernet LAN *	✓	Intel® Unite™	✗
Wi-Fi *	✓	Intel Unite installed	✗
LAN controller	Intel I226-V	Intel® Optane™ Memory Ready	✗
Bluetooth	✓	Intel® Platform Trust Technology (Intel® PTT)	✓
Bluetooth version	5.2	Intel Virtualization Technology (VT-x)	✓
Near Field Communication (NFC)	✗	Technical details	
Bluetooth Low Energy (BLE)	✓	PSTI certified	✗
Ports & interfaces		Not classified as hazardous under GHS	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Certificates	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
HDMI ports quantity *	2	Software	
HDMI version	2.1	Windows operating systems supported	✓
Ethernet LAN (RJ-45) ports *	1	Linux operating systems supported	✓
Thunderbolt ports quantity	2	Operating system installed	✗
Thunderbolt 4 ports quantity	2	Power	
DC-in jack	✗	Power supply type *	External AC adapter
Expansion slots		Power supply	120 W
Number of M.2 (M) slots	2	Number of power supply units	1
Design		AC input voltage	100 - 240 V
Chassis type *	Cube	AC input frequency	50/60 Hz
Product colour *	Black	Operational conditions	
Cooling type *	Passive	Operating temperature (T-T)	0 - 35 °C
On/off switch	✓	Storage temperature (T-T)	-20 - 60 °C
VESA mounting	✓	Operating relative humidity (H-H)	0 - 85%
Panel mounting interface	100 x 100 mm	Storage relative humidity (H-H)	0 - 90%
Product type *	Mini PC barebone	Weight & dimensions	
Performance		Width	119.6 mm
Motherboard form factor	NUC	Depth	115.2 mm
Processor socket	BGA 2049	Height	37.5 mm
Number of processors supported	1		
Supported processor frequency (max)	4.8 GHz		
Trusted Platform Module (TPM) version	2.0		
Commodity Classification			
Automated Tracking System (CCATS)	740.17B1		

Performance		Weight & dimensions	
Export Control Classification Number (ECCN)	5A992.C	Package width	205 mm
Processor special features		Package depth	220 mm
		Package height	94 mm
Processor special features		Packaging content	
Intel® vPro™ Platform Eligibility	✗	Power cord included	✓
Intel On-Demand Power Redundancy Technology	✗	AC adapter included	✗
Intel® High Definition Audio (Intel® HD Audio)	✓	Quick start guide	✗
Embedded options available	✗	Drivers included	✗
Intel Dual Display Capable Technology	✓	Display included	✗
Intel® Virtualization Technology (Intel® VT)	✓	Mouse included	✗
Intel Rapid Storage Technology	✓	Keyboard included	✗
		Other features	
		Country of origin	China
		Introduction month	June
		Introduction year	2025
		Warranty period	3 year(s)



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