



MSI Cubi NUC AI 1UMG i5 125H BB Cube Black FCBGA2049 1.2 GHz

Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI 1UMG i5 125H BB

Product name : Cubi NUC AI 1UMG i5 125H BB

- 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, Barebone, NUC AI 1UMG, 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

MSI Cubi NUC AI 1UMG i5 125H BB. Chassis type: Cube, Product type: Mini PC barebone. Processor socket: FCBGA2049. Supported memory types: GDDR5, Number of memory slots: 2, Maximum internal memory: 64 GB. Supported storage drive types: SSD, Storage drive interface: PCI Express. Ethernet LAN (RJ-45) ports: 1. Wi-Fi standards: Wi-Fi 6E (802.11ax), Bluetooth version: 5.2. Cooling type: Passive. Power supply: 120 W



Processor		Processor special features	
Processor manufacturer	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family	Intel Core Ultra 5	Intel® Quick Sync Video Technology	✓
Processor model	125H	Intel® InTru™ 3D Technology	✗
Processor cores	14	Intel® Insider™	✗
Processor threads	18	Intel® Wireless Display (Intel® WiDi)	✗
Processor boost frequency	4.5 GHz	Intel FDI Technology	✗
Processor frequency	1.2 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Performance cores	4	Intel® Turbo Boost Technology	✓
Efficient cores	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Low Power Efficient-cores	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Performance-core Max Turbo Frequency	4.5 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Intel 64	✓
Performance-core base frequency	1.2 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	18 MB	Thermal Monitoring Technologies	✓
L2 cache	10 MB		
L3 cache	8 MB		
Thermal Design Power (TDP)	28 W		
ECC supported by processor	✗		

Memory		Processor special features	
Memory slots type *	SO-DIMM	Intel Fast Memory Access	✗
Number of memory slots *	2	Intel Flex Memory Access	✓
Maximum internal memory	64 GB	Intel® Identity Protection Technology (Intel® IPT)	✓
Supported memory clock speeds	5200 MHz	Intel Trusted Execution Technology	✗
Supported memory types	GDDR5	Execute Disable Bit	✓
Memory channels	Dual-channel	Intel® Smart Cache	✓
ECC	✗	Intel Visual BIOS	✗
Non-ECC	✓	Intel Express BIOS update	✗
Storage		Intel TSX-NI	✗
Supported storage drive types *	SSD	Intel® Matrix Storage Technology (Intel® MST)	✗
Storage drive sizes supported *	M.2	Intel Smart Connect Technology	✗
Storage drive interface	PCI Express	Intel® Small Business Advantage (Intel® SBA)	✗
NVMe	✓	Intel® Secure Key	✓
Number of storage drives supported	2	Intel® Smart Response Technology	✗
Card reader integrated	✗	Intel Stable Image Platform Program (SIPP)	✗
Audio		Intel® OS Guard	✓
Built-in speaker(s) *	✗	Conflict-Free	✓
Network		Intel® Rapid Start Technology	✗
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Intel Advanced Management Technology	✗
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Intel Clear Video Technology	✓
WLAN controller model	Intel Wi-Fi 6E AX211	Intel® Unite™	✗
Ethernet LAN *	✓	Intel Unite installed	✗
Wi-Fi *	✓	Intel® Optane™ Memory Ready	✗
LAN controller	Intel I226-V	Intel® Platform Trust Technology (Intel® PTT)	✓
Bluetooth	✓	Intel Virtualization Technology (VT-x)	✓
Bluetooth version	5.2	Technical details	
Near Field Communication (NFC)	✗	PSTI certified	✗
Bluetooth Low Energy (BLE)	✓	Not classified as hazardous under GHS	✗
Ports & interfaces		Certificates	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Software	
HDMI ports quantity *	2	Windows operating systems supported	✓
HDMI version	2.1	Linux operating systems supported	✓
Ethernet LAN (RJ-45) ports *	1	Operating system installed	✗
Thunderbolt ports quantity	2	Power	
Thunderbolt 4 ports quantity	2	Power supply type *	External AC adapter
DC-in jack	✗	Power supply	120 W
Expansion slots		Number of power supply units	1
Number of M.2 (M) slots	2	AC input voltage	100 - 240 V
Design		AC input frequency	50/60 Hz
Chassis type *	Cube	Operational conditions	
Product colour *	Black	Operating temperature (T-T)	0 - 35 °C
Cooling type *	Passive	Storage temperature (T-T)	-20 - 60 °C
On/off switch	✓	Operating relative humidity (H-H)	0 - 85%
VESA mounting	✓	Storage relative humidity (H-H)	0 - 90%
Panel mounting interface	100 x 100 mm	Weight & dimensions	
Product type *	Mini PC barebone	Width	119.6 mm
Performance			
Processor socket	FCBGA2049		
Number of processors supported	1		
Supported processor frequency (max)	4.5 GHz		
Trusted Platform Module (TPM) version	2.0		

Performance		Weight & dimensions	
Commodity Classification		Depth	115.2 mm
Automated Tracking System (CCATS)	740.17B1	Height	37.5 mm
Export Control Classification Number (ECCN)	5A992.C	Package width	205 mm
Processor special features		Package depth	220 mm
		Package height	94 mm
		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	✗
Intel® Anti-Theft Technology (Intel® AT)	✗	Other features	
		Country of origin	China
		Warranty period	3 year(s)



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