



MSI Cubi NUC 13MQG Intel Core i5 1345U vPRO Desktop PC, NUC, SFF, Mini Computer, HTPC, (8GB RAM, 512GB Storage, Windows 11 PRO), vPRO/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
13MQG i5 1345U FS 8GB 512GB
VPRO W11P

Product name : MSI Cubi NUC
13MQG Intel Core i5 1345U
vPRO Desktop PC, NUC, SFF, Mini
Computer, HTPC, (8GB RAM,
512GB Storage, Windows 11
PRO), vPRO/Intel
Graphics/DDR5/Dual
ThunderBolt 4/Dual HDMI/Dual
LAN/WiFi 6E/BT 5.3/VESA

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MSI Cubi NUC 13MQG Intel Core i5 1345U vPRO Desktop PC, NUC, SFF, Mini Computer, HTPC, (8GB RAM, 512GB Storage, Windows 11 PRO), vPRO/Intel Graphics/DDR5/Dual ThunderBolt 4/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA. Processor frequency: 3.5 GHz, Processor family: Intel® Core™ i5, Processor model: i5-1345U. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 5200 MHz. Total storage capacity: 512 GB, Storage media: SSD, Card reader integrated. On-board graphics card model: Intel Graphics. Operating system installed: Windows 11 Pro. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i5	Thunderbolt 4 ports quantity	2
Processor generation	13th gen Intel® Core™ i5	Intel® Thunderbolt 4	✓
Processor model *	i5-1345U	DVI port	✗
Processor cores	10	HDMI ports quantity *	2
Processor threads	12	HDMI version	1.4/2.1
Processor boost frequency	4.7 GHz	Microphone in	✗
Processor frequency *	3.5 GHz	Line-out	✗
Performance cores	2	Line-in	✗
Efficient cores	8	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.7 GHz	S/PDIF out port	✗
Efficient-core Max Turbo Frequency	3.5 GHz	DC-in jack	✓
Processor cache	12 MB	Number of rear USB ports	4
Processor cache type	L2 & L3	Number of front USB ports	2
Number of processors installed	1	Number of front audio ports	1
Processor base power	15 W	Design	
Maximum turbo power	55 W	Chassis type *	Mini PC
Memory		Colour name	Black
Internal memory *	8 GB	Volume	0.84 L
Maximum internal memory *	64 GB	Placement supported	Horizontal
Internal memory type	DDR5-SDRAM	VESA mounting	✓
Memory layout (slots x size)	1 x 8 GB	Cable lock slot	✓
Memory slots	2x SO-DIMM	Cable lock slot type	Kensington
Memory clock speed	5200 MHz	Product colour *	Black
Storage		Housing material	Plastic
Total storage capacity *	512 GB	Viewing window	✗
Storage media *	SSD	RGB memory lighting	✗
		Introduction year	2024

Storage		Design	
Optical drive type *	✗	Introduction month	October
Number of storage drives installed	1	Country of origin	China
Number of storage drives supported	3	Performance	
HDD size	2.5"	Market positioning	Business
Number of SSDs installed	1	Powered by	MSI
SSD capacity	512 GB	Motherboard chipset	Intel SoC
SSD interface	M.2	Motherboard form factor	NUC
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Product type *	Mini PC
Compatible memory cards	MicroSD (TransFlash)	Software	
Graphics		Operating system installed *	Windows 11 Pro
Discrete graphics card *	✗	Power	
On-board graphics card *	✓	Power supply *	120 W
Discrete graphics card model *	Not available	Power supply input voltage	100-240 V
On-board GPU manufacturer	Intel	Power supply input frequency	50-60 Hz
On-board graphics card family	Intel Graphics	Sustainability	
On-board graphics card model *	Intel Graphics	Sustainability certificates	ENERGY STAR, Forest Stewardship Council (FSC), Post-Consumer Recycled Plastic
Network		Weight & dimensions	
Ethernet LAN *	✓	Width *	132.5 mm
LAN controller	Intel I226-V	Depth *	135.6 mm
Wi-Fi *	✓	Height *	50.1 mm
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Weight *	0.625 g
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Package width	205 mm
WLAN controller manufacturer	Intel	Package depth	220 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Package height	94 mm
Bluetooth	✓	Package weight	1.45 g
Bluetooth version	5.3	Packaging content	
Wake-on-LAN ready	✓	Display included *	✗
Ports & interfaces		Mouse included	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Keyboard included	✗
PowerShare	✗	Cables included	AC, Power
		VESA mount included	✓
		Screws included	✓
		Other features	
		Special features	vPRO
		Locale	English
		Warranty period	3 year(s)



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