msi

MSI Cubi NUC AI 1UMG-010US PC/workstation Intel Core Ultra 7 155H 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Mini PC Black
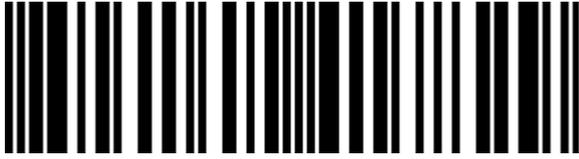
Brand : MSI

Product family: Cubi

Product code: CUBI NUC AI 1UMG-010US
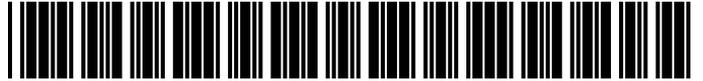
Product name : CUBI NUC AI 1UMG-010US

- Windows 11 Pro
- Intel Core Ultra 7 155H (24MB Cache)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core Ultra 7 155H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel Arc Graphics, LAN, WLAN, Bluetooth, Windows 11 Pro

MSI Cubi NUC AI 1UMG-010US. Processor family: Intel Core Ultra 7, Processor model: 155H. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 5600 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Wi-Fi. Operating system installed: Windows 11 Pro. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC. Weight: 630 g. Product colour: Black

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	155H
Processor cores	16
Processor threads	22
Processor boost frequency	4.8 GHz
Performance cores	6
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.8 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Low Power Efficient-core Max Turbo Frequency	2.5 GHz
Performance-core base frequency	1.4 GHz
Efficient-core base frequency	0.9 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	24 MB
Processor cache type	Smart Cache
Number of processors supported	1
Processor base power	28 W
Maximum turbo power	115 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	32 GB
Maximum internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Memory clock speed	5600 MHz
Supported memory types	DDR5-SDRAM

Performance

Product type *	Mini PC
Trusted Platform Module (TPM) version	2.0
Built-in speaker(s)	✘

Network

Ethernet LAN *	✔
LAN controller	Intel I226-V
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
WLAN controller model	Intel Wi-Fi 6E AX211
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Intel® Thunderbolt 4	✔
Thunderbolt 4 ports quantity	2
HDMI ports quantity *	2
HDMI version	2.1
Ethernet LAN (RJ-45) ports	2
Combo headphone/mic port	✔
Microphone in	✘
DVI port	✘
DC-in jack	✔

Expansion slots

Number of M.2 (M) slots	2

Power

Power supply *	120 W

Design

Chassis type *	Mini PC
Panel mounting interface	100 x 100 mm
VESA mounting	✔

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Optical drive type *	✘
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
M.2 SSD size	2280 (22 x 80 mm)

Graphics

Discrete graphics card *	✘
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board GPU manufacturer	Intel
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics
Graphics card family	Intel

Performance

Motherboard chipset	Intel SoC
Motherboard form factor	NUC
Trusted Platform Module (TPM)	✔

Design

Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black
Cooling type	Active
Housing material	Plastic

Software

Operating system installed *	Windows 11 Pro

Display

Display included *	✘
Number of displays supported	4

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	0 - 85%
Storage relative humidity (H-H)	0 - 90%

Weight & dimensions

Width *	119.6 mm
Depth *	115.2 mm
Height *	37.5 mm
Weight *	630 g

Packaging data

Package width	205 mm
Package depth	220 mm
Package height	94 mm
Package weight	1.45 kg

Packaging content

Mouse included	✘
Keyboard included	✘
AC adapter included	✔
Power cord included	✔

Other features

Warranty period	3 year(s)

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