

Cubi NUC AI 1UMG

BE YOUR WINDOW TO THE WORLD



reddot winner 2024



SPECIFICATIONS

OS	Windows 11 Home Windows 11 Pro - MSI recommends Windows 11 Pro for business
CPU	Intel® Core™ 7 processor 150U (12M Cache, 1.80 GHz up to 5.40 GHz) Intel® Core™ 5 processor 120U (12M Cache, 1.40 GHz up to 5.00 GHz) Intel® Core™ 3 processor 100U (10M Cache, 1.20 GHz up to 4.70 GHz)
Graphics	Intel® Graphics
Chipset	Intel® SoC
Memory	2x DDR5 up to 5200MHz SO-DIMMs, up to 64GB
Storage	1x M.2 2280 SSD (PCIe, factory pre-installed) 1x M.2 2242 SSD (PCIe, free slot) 1x 2.5" HDD/SSD
LAN	2x Intel® I226V (2.5G)
Wireless LAN	Intel Wi-Fi 6E AX211
Bluetooth	5.3 (for AX211)
Audio	Realtek® ALC256

I/O	Front: [] 2x USB 10Gbps Type A 1x Mic-in / Headphone-out combo 1x Micro-SD Card Reader Rear: 2x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W / One of TBT supports PD-in) 2x USB 10Gbps Type A 2x RJ45 2x HDMI out (supports 4K @60Hz as specified in HDMI 2.1)
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Operating System	Windows 10 Home - MSI recommends Windows 10 Pro for business
CPU	Up to Intel® Core™ i9-10900K Processor
System Memory	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
Storage	1x M.2 2280 SSD (NVMe PCIe Gen4 x4, factory pre-installed) 1x M.2 2242 SSD (NVMe PCIe Gen4 x4)
System Memory	2x DDR5 up to 5200MHz SO-DIMMs, up to 64GB
Graphics	Intel® Graphics (Integrated)
Storage	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
Sound	7.1 Channel HD Audio with Nahimic audio enhancer
CPU	Intel® Core™ Ultra 7 Processor 155H Intel® Core™ Ultra 5 Processor 125H
I/O (Front)	1x USB 10Gbps Type C 2x USB 10Gbps Type A
OPERATING SYSTEM	Windows 10 Home - MSI recommends Windows 10 Pro for business

FEATURES



Intel® AI Boost NPU

Designed for efficient AI processing with lower power consumption.



Ready for AI

Enable lightweight AI for better performance and lower power usage in efficient intelligent systems.



Thunderbolt™ 4

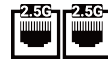
Thunderbolt™ 4

Up to 40Gb transmission speed and 2X PCI-e bandwidth than previous generation, brings fast speed and versatility, offering a fast and simple level of connection for work.



4-Display Support

Enhance the workflow efficiency by previewing e-commerce content on up to four monitors for improved productivity.



Dual 2.5G LAN

Dual 2.5G network solution for Intranet and Internet offers a smooth experience for effective network connection.



dTPM 2.0 Support

dTPM 2.0 design secures your confidential data with encryption keys.



Power Meter

Power Meter enables one-click power saving, carbon emission calculation & electricity cost estimation.



VESA Mountable

To be mounted on the wall of your office & home with a VESA standard design which can make it completely invisible on a desk.

CONNECTIONS



- | | |
|---|---|
| 1. 1x USB 10Gbps Type A | 2. 1x USB 10Gbps Type A |
| 3. 1x USB 10Gbps Type C | 4. 1x Kensington Lock Slot |
| 5. 1x External Power Switch Slot | 6. 1x DC Jack |
| 7. 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1) which supports the MSI Power Link | 8. 2x RJ45 LAN (2.5G) |
| 9. 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1) | 10. 2x RJ45 (2.5G) |
| 11. 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1) | 12. 1x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) |
| 13. 1x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) | |

I/O (Rear)	2x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) 2x RJ45 (2.5G) 2x HDMI™ out (supports 4K @60Hz as specified in HDMI™ 2.1 & one port supports MSI Power Link)
I/O (Front)	1x USB 3.2 Gen1 Type C 1x USB 2.0 Type A 1x USB 3.2 Gen1 Type A 1x Mic-in 1x Headphone-out
CPU	Up to Intel® Core™ i9-10900K Processor
Operating System	Windows 11 Home Windows 11 Pro - MSI recommends Windows 11 Pro for business
I/O (Rear)	1x Thunderbolt 3 (PD 15W) 1x USB 3.2 Gen 2 Type A 2x USB 3.2 Gen 1 Type A 2x USB 2.0 Type A 1x DP out (1.2) 1x HDMI™ out (1.4) 1x RJ45 (2.5G) 5x Audio jacks 1x Optical S/PDIF out *Tips: The display function is only available on non F series processors.
CHIPSET	Intel® Z490
Wireless LAN	Intel® Wi-Fi 6E AX211 / Intel® Wi-Fi 7 BE200 Realtek WiFi 6E RTL8852CE CG
GRAPHICS	Up to MSI GeForce RTX™ 3080 10GB GDDR6X Graphics card
AC Adapter	120W
Chipset	Intel® SoC
LAN	Realtek® 8125B
SYSTEM MEMORY	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
LAN	2x Intel® I226V (2.5G)
Mini-DisplayPort	
STORAGE	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
AC Adapter / PSU	120W
Cooling System	Fan Cooler
WIRELESS LAN	Intel® Dual Band Wireless-AC
KEYBOARD / MOUSE	Optional
BLUETOOTH	5.1
Volume	10.36 L / 21.89pt
LAN	Realtek® 8125B
Dimension (WxDxH)	131.85 x 372.20 x 408.88mm (5.19 x 14.65 x 16.10 inch)
SOUND	7.1 Channel HD Audio with Nahimic audio enhancer
DIMENSION (WxDxH)	135.60 x 132.50 x 50.10 mm (5.34 x 5.22 x 1.97 inch)
I/O (SIDE)	1x Kensington Lock 1x External Power Switch Pin Header
Dimension (WxDxH)	119.60 x 115.20 x 37.50 mm (4.71 x 4.54 x 1.48 inch)
Net Weight	0.6257 kg (1.38 lbs)
WEIGHT (N.W./ G.W.)	0.55 Kg (1.21 lbs) / 1.48 Kg (3.26 lbs)
I/O (FRONT)	1x USB 3.2 Gen1 Type C 1x USB 2.0 Type A 1x USB 3.2 Gen1 Type A 1x Mic-in 1x Headphone-out
Gross Weight	1.439 kg (3.17lbs)
Bluetooth	5.3 (for AX211) / 5.4 (for BE200) / 5.3 (for RTL8852CE CG)

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I/O (REAR)	1x Thunderbolt 3 (PD 15W)□ 1x USB 3.2 Gen 2 Type A 2x USB 3.2 Gen 1 Type A□ 2x USB 2.0 Type A□ 1x DP out (1.2)□ 1x HDMI™ out (1.4) 1x RJ45 (2.5G) 5x Audio jacks□ 1x Optical S/PDIF out *Tips: The display function is only available on non F series processors.
Certificates	FCC, CB/CE, UL & CUL, VCCI, RCM
Volume	0.51 Liter / 1.08 pint
AC ADAPTER / PSU	Modular 650W 80 Plus Gold Certified PSU
Keyboard / Mouse	Optional
Accessories	1x Manual (optional) 1x Quick guide 1x Warranty card 1x Power cord
Software	Drivers & MSI Utilities Anti-Virus (60 days trial)
SOFTWARE	Drivers & MSI Utilities Anti-Virus (60 days trial)
Certificados	FCC, CB/CE, UL & CUL, VCCI, RCM