

Cubi NUC AI 1UMG

BE YOUR WINDOW TO THE WORLD



reddot winner 2024



SPECIFICATIONS

Operating System	Windows 10 Home - MSI recommends Windows 10 Pro for business
Operating System	Windows 11 Home Windows 11 Pro - MSI recommends Windows 11 Pro for business
OPERATING SYSTEM	Windows 10 Home - MSI recommends Windows 10 Pro for business
CPU	Up to Intel® Core™ i9-10900K Processor
CPU	Intel® Core™ Ultra 7 Processor 155H Intel® Core™ Ultra 5 Processor 125H Intel® Core™ Ultra 5 Processor 125U
CPU	Up to Intel® Core™ i9-10900K Processor
Chipset	Intel® SoC
CHIPSET	Intel® Z490
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® Arc™ Graphics (Core™ Ultra 5-H above processor with dual-channel memory, min. 8GBx2) Intel® Graphics (Integrated)
GRAPHICS	Up to MSI GeForce RTX™ 3080 10GB GDDR6X Graphics card
Graphics	Intel® Graphics
Chipset	Intel® SoC
Storage	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
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
Storage	1x M.2 2280 SSD (NVMe PCIe Gen4 x4, factory pre-installed) 1x M.2 2242 SSD (NVMe PCIe Gen4 x4)
STORAGE	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
System Memory	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
I/O (Front)	1x USB 10Gbps Type C 2x USB 10Gbps Type A
LAN	2x Intel® I226V (2.5G)

FEATURES

- dTPM 2.0 Support**
 dTPM 2.0 design secures your confidential data with encryption keys.
- 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.
- Power Meter**
 Power Meter enables one-click power saving, carbon emission calculation & electricity cost estimation.
- Dual 2.5G LAN**
 Dual 2.5G network solution for Intranet and Internet offers a smooth experience for effective network connection.
- 4-Display Support**
 Enhance the workflow efficiency by previewing e-commerce content on up to four monitors for improved productivity.
- 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.
- 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.

CONNECTIONS

- 1x USB 10Gbps Type A
- 1x USB 10Gbps Type A
- 1x USB 10Gbps Type C
- 1x Kensington Lock Slot
- 1x External Power Switch Slot
- 1x DC Jack
- 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1) which supports the MSI Power Link
- 2x RJ45 LAN (2.5G)
- 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1)
- 2x RJ45 (2.5G)
- 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1)
- 1x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W)
- 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 (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.
Wireless LAN	Intel Wi-Fi 6E AX211
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.
Bluetooth	5.3 (for AX211)
Audio	Realtek® ALC256
Bluetooth	5.3 (for AX211) / 5.4 (for BE200) / 5.3 (for RTL8852CE CG)
BLUETOOTH	5.1
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)
LAN	Realtek® 8125B
LAN	Realtek® 8125B
LAN	2x Intel® I226V (2.5G)
WIRELESS LAN	Intel® Dual Band Wireless-AC
Wireless LAN	Intel® Wi-Fi 6E AX211 / Intel® Wi-Fi 7 BE200 Realtek WiFi 6E RTL8852CE CG
System Memory	2x DDR5 up to 5200MHz SO-DIMMs, up to 64GB
SYSTEM MEMORY	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
AC Adapter / PSU	120W
Dimension (WxDxH)	131.85 x 372.20 x 408.88mm (5.19 x 14.65 x 16.10 inch)
Volume	10.36 L / 21.89pt
Dimension (WxDxH)	119.60 x 115.20 x 37.50 mm (4.71 x 4.54 x 1.48 inch)
I/O (SIDE)	1x Kensington Lock 1x External Power Switch Pin Header
SOUND	7.1 Channel HD Audio with Nahimic audio enhancer
Sound	7.1 Channel HD Audio with Nahimic audio enhancer
Cooling System	Fan Cooler
WEIGHT (N.W./ G.W.)	0.55 Kg (1.21 lbs) / 1.48 Kg (3.26 lbs)
AC Adapter	120W
Volume	0.51 Liter / 1.08 pint
KEYBOARD / MOUSE	Optional
DIMENSION (WxDxH)	135.60 x 132.50 x 50.10 mm (5.34 x 5.22 x 1.97 inch)



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Net Weight	0.6257 kg (1.38 lbs)
Gross Weight	1.439 kg (3.17lbs)
Accessories	1x Manual (optional) 1x Quick guide 1x Warranty card 1x Power cord
Software	Drivers & MSI Utilities Anti-Virus (60 days trial)
Certificates	FCC, CB/CE, UL & CUL, VCCI, RCM
Keyboard / Mouse	Optional
Certificates	FCC, CB/CE, UL & CUL, VCCI, RCM
