



## SPECIFICATIONS

<b>OS</b>	Windows 11 Home Windows 11 Pro - MSI recommends Windows 11 Pro for business
<b>CPU</b>	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)
<b>Graphics</b>	Intel® Graphics
<b>Chipset</b>	Intel® SoC
<b>Memory</b>	2x DDR5 up to 5200MHz SO-DIMMs, up to 64GB
<b>Storage</b>	1x M.2 2280 SSD (PCIE, factory pre-installed) 1x M.2 2242 SSD (PCIE, free slot) 1x 2.5" HDD/SSD
<b>LAN</b>	2x Intel® I226V (2.5G)
<b>Wireless LAN</b>	Intel Wi-Fi 6E AX211
<b>Bluetooth</b>	5.3 (for AX211)
<b>Audio</b>	Realtek® ALC256
<b>I/O</b>	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)
<b>Operating System</b>	Windows 10 Home - MSI recommends Windows 10 Pro for business
<b>CPU</b>	Up to Intel® Core™ i9-10900K Processor
<b>System Memory</b>	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
<b>Storage</b>	1x M.2 2280 SSD (NVMe PCIe Gen4 x4)
<b>System Memory</b>	2x DDR5 5600 SO-DIMMs, up to 64GB
<b>Graphics</b>	AMD Radeon™ Graphics (Integrated)
<b>Storage</b>	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
<b>Sound</b>	7.1 Channel HD Audio with Nahimic audio enhancer
<b>CPU</b>	AMD Ryzen™ 9 8945HS AMD Ryzen™ 7 8845HS AMD Ryzen™ 5 8645HS
<b>I/O (Front)</b>	4x USB 10Gbps Type A 1x Mic-in/Headphone-out combo
<b>OPERATING SYSTEM</b>	Windows 10 Home - MSI recommends Windows 10 Pro for business

## FEATURES

### Ready for AI



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



### Built-in NPU

Designed for efficient AI processing with lower power consumption.



### 4-Display Support

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



### USB4 40Gbps

Up to 40Gb transmission speed and support the power delivery, offering a fast and simple level of connection for work.



### Dual 2.5G LAN

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



dTPM 2.0 design secures your confidential data with encryption keys.



### Built-In Speaker

Built-in speakers allow you to listen clearly without connecting external speakers.



### MSI AI Engine

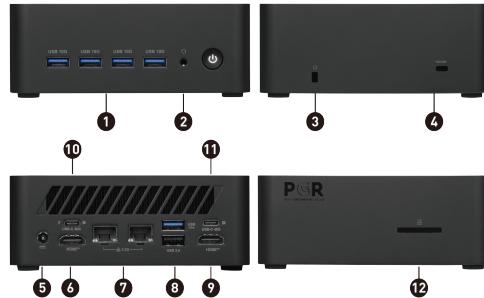
Incorporating AI technology, the MSI AI Engine can switch settings, including lighting, performance, audio and visual based on different applications.



### 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. 4x USB 10Gbps Type A
2. 1x Mic-in/Headphone-out combo
3. 1x External Power Switch Pin Header
4. 1x Kensington Lock Slot
5. 1x DC Jack
6. 1x HDMI out (supports 4K @60Hz as specified in HDMI 2.1)
7. 2x RJ45 LAN (2.5G)
8. 1x USB 10Gbps Type A/1x USB 2.0 Type A
9. 1x USB4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) which supports PD-in up to 100W
10. 1x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) which supports PD-in up to 100W
11. 1x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) which supports PD-in up to 100W
12. 1x Card Reader

	2x USB4 Type-C (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W / One of USB4 supports PD-in up to 100W)
<b>I/O (Rear)</b>	1x USB 10Gbps Type A 1x USB 2.0 Type A 2x RJ45 (2.5G) 2x HDMI™ out (supports 4K @60Hz as specified in HDMI™ 2.1)
<b>I/O (Front)</b>	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
<b>CPU</b>	Up to Intel® Core™ i9-10900K Processor
<b>Operating System</b>	Windows 11 Home Windows 11 Pro - MSI recommends Windows 11 Pro for business
<b>AUDIO</b>	Built-in Speaker
<b>I/O (Rear)</b>	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.
<b>CHIPSET</b>	Intel® Z490
<b>Wireless LAN</b>	AMD RZ616 Wi-Fi 6E
<b>GRAPHICS</b>	Up to MSI GeForce RTX™ 3080 10GB GDDR6X Graphics card
<b>AC Adapter</b>	120W
<b>Chipset</b>	AMD SoC
<b>LAN</b>	Realtek® 8125B
<b>SYSTEM MEMORY</b>	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
<b>LAN</b>	2x Realtek RTL8125BG (2.5G)
<b>Mini-DisplayPort</b>	
<b>STORAGE</b>	2x M.2 SSD (1x PCIe/SATA Auto-switch) 2x 2.5" SSD / HDD
<b>AC Adapter / PSU</b>	120W
<b>Cooling System</b>	Fan Cooler
<b>WIRELESS LAN</b>	Intel® Dual Band Wireless-AC
<b>KEYBOARD / MOUSE</b>	Optional
<b>BLUETOOTH</b>	5.1
<b>Volume</b>	10.36 L / 21.89pt
<b>LAN</b>	Realtek® 8125B
<b>Dimension (WxDxH)</b>	131.85 x 372.20 x 408.88mm (5.19 x 14.65 x 16.10 inch)
<b>SOUND</b>	7.1 Channel HD Audio with Nahimic audio enhancer
<b>DIMENSION (WxDxH)</b>	135.60 x 132.50 x 50.10 mm (5.34 x 5.22 x 1.97 inch)
<b>I/O (SIDE)</b>	1x Card Reader 1x Kensington Lock 1x External Power Switch Pin Header
<b>Dimension (WxDxH)</b>	136.00 x 132.00 x 50.10 mm (5.35 x 5.20 x 1.97 inch)
<b>Net Weight</b>	0.6257 kg (1.38 lbs)
<b>WEIGHT (N.W./ G.W.)</b>	0.79 Kg (1.74 lbs) / 2.02 Kg (4.45 lbs)
<b>I/O (FRONT)</b>	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
<b>Gross Weight</b>	1.439 kg (3.17lbs)
<b>Bluetooth</b>	5.3



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## Cubi Z AI 8M

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<b>I/O (REAR)</b>	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.
<b>Certificates</b>	FCC, CB/CE, UL & CUL, VCCI, RCM
<b>AC ADAPTER / PSU</b>	Modular 650W 80 Plus Gold Certified PSU
<b>Keyboard / Mouse</b>	Optional
<b>Accessories</b>	1x Manual (optional) 1x Quick guide 1x Warranty card 1x Power cord
<b>Software</b>	Drivers & MSI Utilities Anti-Virus (60 days trial)
<b>SOFTWARE</b>	Drivers & MSI Utilities Anti-Virus (60 days trial)
<b>Certificados</b>	FCC, CB/CE, UL & CUL, VCCI, RCM