



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)
System Memory	2x DDR5 5600 SO-DIMMs, up to 64GB
Graphics	AMD Radeon™ 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	AMD Ryzen™ 9 8945HS AMD Ryzen™ 7 8845HS AMD Ryzen™ 5 8645HS
I/O (Front)	4x USB 10Gbps Type A 1x Mic-in/Headphone-out combo
OPERATING SYSTEM	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 Support

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

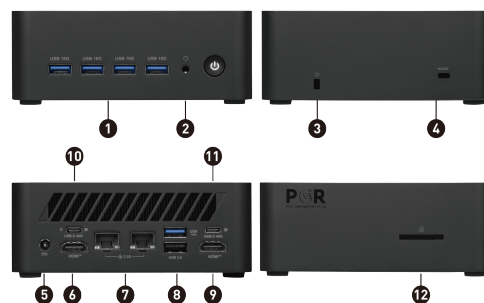
Incorporating AI technology, the MSI AI Engine can switch settings, including lighting, performance, audio and visual based on different applications.



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 HDMI out (supports 4K @60Hz as specified in HDMI 2.1)
10. 1x USB4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) which supports PD-in up to 100W
11. 1x USB4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W)
12. 1x Card Reader



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I/O (Rear)	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)
	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)
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
AUDIO	Built-in Speaker
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	AMD RZ616 Wi-Fi 6E
GRAPHICS	Up to MSI GeForce RTX™ 3080 10GB GDDR6X Graphics card
AC Adapter	120W
Chipset	AMD SoC
LAN	Realtek® 8125B
SYSTEM MEMORY	2 x DDR4 up to 2933MHz U-DIMMs, up to 64GB
LAN	2x Realtek RTL8125BG (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 Card Reader 1x Kensington Lock 1x External Power Switch Pin Header
Dimension (WxDxH)	136.00 x 132.00 x 50.10 mm (5.35 x 5.20 x 1.97 inch)
Net Weight	0.6257 kg (1.38 lbs)
WEIGHT (N.W./ G.W.)	0.79 Kg (1.74 lbs) / 2.02 Kg (4.45 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



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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
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