






IPM-12SC / IPM-14SC

Industrial Fanless Mini PC

Powerful. Reliable. Built for Edge Computing.



		
DDR5 Memory	Flexible Storage	Wide Temperature
Up to 64GB	M.2 2280 (M-Key) + 2.5" SATA	-20°C to 70°C

				
Intel Core Ultra 5 / 7 Processor	8 x 2.5GbE LAN	Triple Display	DDR5 Memory	Wide Temperature
Up to 12 Cores 14 Threads	1* i226-LM + 7* i226-V	HDMI + DP + Type-C	Up to 64GB	-20°C to 70°C

- All aluminum structure, fanless design.
- Intel 14th Core Ultra 5/7 Processor.
- Support TPM 2.0 & Windows 11.
- Support 1*M.2 2280 slot, 1*2.5" SATA.
- Support RJ45 COM.
- 8*RJ45 2.5G Ethernet ports (1*i226-LM with vPro, 7*i226-V)
- 1*HDMI, 1*DP, 1*Type-C, support synchronous/asynchronous triple display.
- Support OS: Windows 10, Windows 11, Linux.

ENGINEERED FOR DEMANDING APPLICATIONS



Networking & Cybersecurity

- Firewall / UTM / SD-WAN
- IDS / IPS Monitoring
- VPN / Load Balancer



Industrial Automation & Edge AI

- PLC / IoT Connectivity
- Machine Vision
- Edge AI Inference



Smart Surveillance & NVR

- Multi-Camera Recording
- Video Analytics
- Edge Gateway



Digital Signage & Display

- Triple Display Output
- Synchronous / Asynchronous Display
- Advertising & Info Display

RUGGED & RELIABLE DESIGN



Aluminum Chassis
Rugged & Durable



Fanless Operation
Silent & Maintenance-free



Wide Voltage Input
9~36V Optional



Industrial Grade
24/7 Continuous Operation

SPECIFICATIONS

CPU	Intel Core Ultra 5 125U (12 core 14 threads, Turbo 4.3G), Fanless Intel Core Ultra 7 155U (12 core 14 threads, Turbo 4.8G), Fanless
NPU	Intel AI Boost (Max Frequency 1.4 GHz)
RAM	Support 2*DDR5 5600 SODIMM memory slot, Max. Support 64GB
BIOS	AMI EFI BIOS
Display Chip	Intel Graphics
Display Port	1*HDMI, 1*DP, 1*Type-C (support synchronous/asynchronous triple display)
Front I/O	1*Power Button, 1*Restart Button, 1*Type-C (support DP / USB3.2 / PD 5V1A), 1*HDMI, 1*DP, 4*USB3.2, 1*RJ45 serial COM port (support Console), 1*Nano-SIM card slot
Rear I/O	1*DC-IN 12V, 8*2.5G LAN (1*i226-LM with vPro, 7*i226-V)
Expandable I/O	Optional 2*USB2.0, 4*GPIO
Expansion Slot	1*M.2 2280 slot M-Key (Support M.2 PCIE4.0 X4 and M.2 NVME); 1*M.2 3052 slot B-key (USB3.0 Support 4G/5G); 1*M.2 2230 slot E-key (CNVio2, Support WIFI);
Network	7*Intel i226-V, 1*Intel i226-LM
Storage	Support 1*M.2 2280 NVME, 1*2.5" SATA
Other Function	TPM2.0, Auto power on when there is electricity, Wake on LAN, PXE boot, Watch Dog
External Power Supply	AC 100 – 240V
Working Voltage	12V DC Phoenix terminal(9~36V DC Optional)
Temperature Range	Operating: -20°C ~ +70°C, surface air flow
Relative Humidity	5% ~95% , non-condensing
Accessories	Power adapter, power cord, Vesa mount, warranty card
Mounting (Options)	wall mounting brackets (optional)
Warranty	2 years warranty
Certificates	CE, FCC, RoHS

