

IPM-15SD / IPM-17SD / IPM-18SD

MINI PC

- 
Fanless & Silent
- 
-20°C~70°C Wide Temp.
- 
9~36V DC Input
- 
TPM 2.0
- 
6 COM RS232/RS485
- 
Triple Display HDMI+Type-C
- 
CE FC RoHS Certified



| KEY SPECIFICATIONS | |
|-----------------------|---|
| CPU | Intel® N100, 4 (Cores, 4 Threads, Turbo 3.3 GHz), Fanless Intel Core i5-1235U (10 core 12 threads, Turbo 4.4G), Fanless Intel Core i7-1255U (10 core 12 threads, Turbo 4.7G), Fanless |
| RAM | N100: 1*DDR5 4800 SODIMM memory slot, Max. Support 16GB Core: 1*DDR5 4800 SODIMM memory slot, Max. Support 32GB |
| BIOS | AMI EFI BIOS |
| Display Chip | Intel Iris Xe Graphics |
| Display Port | 2*HDMI, 1*Type-C (support synchronous/asynchronous triple display) |
| Front I/O | 6*COM (COM1-COM2 RS232, COM3-COM6 RS485), 4*USB 3.2 (N100 is 4*USB 3.0), 2*HDMI, 2*2.5G LAN, 1*Audio, 1*DC-IN 12V, 1*Type-C, GPIO*8 (optocoupler isolation, supporting DC 9~24V) |
| Rear I/O | 1*Power Switch, 2*USB 2.0, 1*Remote Switch |
| Expansion Slot | 1*M.2 2280 slot M-Key (Support M.2 PCIE X4 and M.2 NVME); 1*Mini PCIE (PCIE/ USB 2.0 Support 4G/WIFI/ BT); 1*M.2 2230 slot E-key (PCIe X1 & USB2.0 / CNVI, Support WIFI/ BT) |
| Network | N100: 2*Intel i226-V 100/1000/2500M Core: 1*Intel i226-V 100/1000/2500M, 1*Intel i226-LM 100/1000/2500M |
| Storage | Support 1*M.2 2280 slot, 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 |

DESIGNED FOR INDUSTRIAL APPLICATIONS

1 Factory Automation

- DC input, RS232/RS485, GPIO
- Support PLC, CNC, Sensors, Industrial Camera, HMI
- Modbus RTU
- Industry 4.0 / Smart Factory / Edge Computing

2 Intelligent Transport

- 9~36V DC, Fanless, RS485, Wide Temp.
- Fleet Management
- Bus System / Railway Kiosk
- Digital Signage
- EV Charging Station

3 EV Charging

- RS485, LAN, Linux, TPM2.0, GPIO
- OCPP Gateway
- Charger Monitoring
- Edge Analytics

4 Self-service / Retail

- Triple Display (HDMI + Type-C)
- Fanless, Compact
- Food Ordering
- Ticket Machine
- Payment Terminal
- Smart Locker / Vending Machine

5 Energy & Solar / BMS

- RS485, Linux, TPM, GPIO
- Connect Inverter, Smart Meter, EMS, Battery System
- Power Grid Upgrade
- Energy Digitalization

6 Edge AI / Machine Vision

- Support Coral TPU, Intel OpenVINO,
- USB AI Accelerator
- AOI / AI Inspection
- Face Recognition
- Smart Retail

EUROPE MARKET FOCUS

Tier 1: Eastern Europe

- Poland
- Czech Republic
- Romania
- Hungary

Tier 2: Nordic Market


- Sweden
- Finland
- Denmark
- Norway


Other:


- Many factories
- Supply chain relocation
- Price sensitive
- Open to Taiwan IPC


Key Competitors:
Advantech / Axiomtek / Cincoze
Neosys / OnLogic / Kontron


IDEAL PARTNERS


Automation SI


Kiosk SI


EV Charger Maker


Machine Builder


Smart City Integrator

WHAT WE OFFER

- ✓ CE DOC / EMC Report / RoHS Report / MTBF / Reliability Test
- ✓ Linux Support (Ubuntu, Debian, Driver List)
- ✓ Block Diagram
- ✓ Application Solution Guide (e.g. Factory Automation Solution)

CONTACT US

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