

IEXP-512-I5-1235U COM 24V

RUGGEDISED INDUSTRIAL COMPUTER



Embedded PC Series

Fanless Industrial Computers

Componentes Industriales

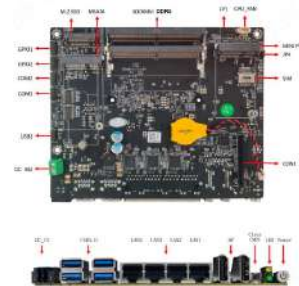


Elevation

12th generation INTEL i5 Industrial PC up to 4.4Ghz with 1235U processor (10 Cores / 12 Threads).

Ruggedised fanless computer in a grey aluminium chassis, with a passive cooling system without the use of fans to achieve protection against very dusty environments.

It features **6 LAN ports**. 4 available USB 3.0 ports. 2 Display Ports. 2 COM ports. **12V/24V** Power Supply.



Interior

TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica
Processor: Intel i5 1235u 4.4Ghz
Resolution: 7680 x 4320 @ 60Hz (8K-DP)
RAM: Supports up to 64GB 4800MHz SODIMM
Storage: SSD m.2 2280 NVMe / Mini PCI-e
Audio: No audio output
Socket: 2x DDR5 RAM
Ports: 4xUSB 3.0 / 2xDP / 2xCOM (RS232 / RS485)
LAN: 3xIntel i210 lan + 1xIntel i219 lan (LAN1 support Vpro). Expansion +2 LAN. Total 6 LAN
OS: Windows 7, 8, 10, 11 Linux Compatible
Power Supply: DC 24V (4A)
Consumption: ~30-65 watts
Vibration: Highly resistant to vibration
Humidity: 5% ~ 95% (non-condensing)
Operating Temp.: -20°C~60°C
Storage Temp.: -30°C~80°C
Warranty: 1 Year (Extendable up to 3 years)

OTHER TECHNICAL DATA

Mounting Type: Embedded (Flush-mount) yes, VESA no, RACK yes (with tray use), DIN yes.
Processor Frequency: Min. 3.3 GHz, Max turbo 4.4 GHz, 12MB Cache
Graphics: Intel® Iris® Xe Graphics
RAM: 0 Gb Onboard + 2 DDR5 Sockets
Storage: 1xM.2 slot + 1xMSATA slot
Audio: No audio output.
LAN: 6 ethernet 5xIntel i210 lan + 1xIntel i219 lan (LAN1 support Vpro)
GPIO: Optional (consult)
Power: 1 x Power Button + 1 x Clear CMOS button
IP Protection: IP50. Dust entry cannot be avoided, but it must not enter in a quantity that interferes with the correct operation of the equipment. No water protection. Watertight enclosure: To obtain higher IP protection (OPTIONAL)
Dimensions: 205 x 146 x 50 mm
Weight: 1.54 Kg
Packing: Individual Box; PC, Power Supply, Power Cable.

I/O PORTS



Front



Rear

CONNECTIVITY OPTIONS

This industrial PC, having the 2 LAN + 2 COM expansion card, occupies the mini PCIe socket on the motherboard and it is not possible to install the Wifi / 4G module.

You can request an internal modification and sacrifice one USB port to be able to have the option of installing the Wifi / 4G module.

PRODUCT VALUES

- > 24V voltage range
- > High performance processor, compatible with Windows 11.
- > 2 COM ports configurable as RS485.
- > 6 RJ45 network LAN connections.
- > Resistant to aggressive environments; dust, grease, vibration.
- > Very low power consumption.
- > Important number of USB / COM connections.

MOST COMMON APPLICATIONS

- > Machine Vision
- > Automation
- > Robot Guidance
- > Industrial Control Systems (ICS)
- > Metrology
- > Distributed Control Systems / SCADA
- > Data Acquisition Systems (DAQs)
- > Product Classification
- > Factory Floor Assembly Lines
- > Installation in Transport Vehicles
- > Wireless Station (Wifi/4G/GPS)

APPLICATION SECTORS

- > Artificial Intelligence
- > Aerospace
- > Automotive
- > Data Centres
- > Distribution
- > Naval Sector
- > Pharmaceutical Industry
- > Transport and Logistics
- > Meat Industry
- > Fishing Vessels
- > Shipyards

SOME SUCCESS STORIES

- > PLC and vision camera
- > External lighting
- > Machine vision machine

ALTERNATIVE REFERENCES

- > Pc industrial i5 1135g7 V2
- > Pc industrial i5 1235u

CERTIFICATIONS



INSTALLATION MODES



CONNECTIONS and DIMENSIONS

