

eNX i5-1235U-3L

RUGGED INDUSTRIAL COMPUTER



Mini PC Series

Fanless Industrial Computers

Industrial Components



Elevation

Industrial PC INTEL i5 4,4GHZ 12th generation with 1235U processor (10 Cores / 12 threads).

Orugged fanless computer in grey aluminium chassis, small size, with passive cooling system without the use of fans for protection against dusty environments.

It has **triple** HDMI video output for connecting **3 4K monitors**. Its 2 COM ports can be configured with RS485 / RS422 protocols. It has **3 x 2.5Gb LAN**. Includes TPM.



TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica SA
Processor: Intel 1235u i5 4,4Ghz
Resolution: 4096x2304
RAM: Supports 32GB SODIMM DDR5 4800MH SODIMM
Storage: M.2 2280 NVMe SSD
Audio: 1x Jack 2.5: Speakers / MIC
Socket: 1x RAM ddr5 / 1 x M.2 2280 M-Key (NVME PCIe4.0x4 / 1 x M.2 3052 B-key (4G/5G) / 1 x M.2 2230 E-key (WiFi)
Ports: 4 x USB 3.1 / 3 x HDMI / 2 x RS232
LAN: 3xRJ45 network card.
OS: Windows 7, 8, 10, 11. Linux Compatible
Supply: DC100-240V AC input / DC12v/6A output
Power consumption: ~ 25-50 watts
Vibration: Highly vibration resistant
Humidity: 0% ~ 90% (non-condensing)
Operating temp.: -20°C~50°C
Storage temp.: -20°C~85°C
Warranty: 1 Year (Extendable up to 3 years)

OTHER TECHNICAL DATA

Mounting Type: Embedded (Embeddable) no, VESA yes, RACK no.

Processor Frequency: Minimum 3.3Ghz, maximum 4.4Ghz.

Graphics: Intel® Iris® Xe Graphics

RAM: 0 Gb on Board + 1 Socket SODIMM/1.35v (4/8/16Gb)

ROM: SSD M2 NVMe (120, 240Gb/480Gb/1TB)

Audio: Realtek HD ALC662 Line-out and MIC

LAN: 3 Intel i226-V 100/1000/2500M

IP Protection: IP50. Dust ingress cannot be prevented, but must not enter in such a quantity as to interfere with the correct operation of the equipment. No water protection.

Waterproof enclosure: For higher IP protection (OPTIONAL)

Wireless: Mini PCI Express NGFF 3165NGW (OPTIONAL)

GPS: Mini PCI Express u-Blox pci-5s-1 - 500.

3G/GPS: Mini PCI Express Huawei EM770w. (OPTIONAL)

4G/GPS: Mini PCI Express Quectel EC25. (OPTIONAL). Front SIM

Dimensions: 170 x 140 x 58 mm (LxWxH)

Weight: 11 Kg

Packing: Single Box; PC, Power Supply, Power Cable, Drivers.

I/O PORTS



Front



Rear

CONNECTIVITY OPTIONS



WiFi module: NGFF 3165NGW
WiFi Antenna: Yes
Connection cable: Yes
SMA extender: Optional

GPS module: u-Blox pci-5s-1-500

GPS antenna: Yes

Connection cable: Yes

SMA extender: Optional



4G/GPS module: Quectel EC25

4G/GPS antennas: Yes

Connection cable: Yes

PRODUCT VALUES

- > High processing power with 12th generation processor
- > Supports 3 HDMI 4K outputs
- > TPM (trusted platform module); If enabled / disabled in BIOS.
- > Maximum connectivity with Wifi / 4G / GPS in the same configuration.
- > Resistant to aggressive environments; dust, grease, vibrations.
- > Resistant to extreme temperatures and humidity.
- > Very low power consumption.
- > Significant number of USB / COM connections

MOST COMMON APPLICATIONS

- > Interactive, multimedia kiosks
- > Self-pay, unattended kiosks
- > Industrial control systems (ICS)
- > HMI control panels
- > Distributed control systems / SCADA
- > Data Acquisition Systems (DAQs)
- > Integration in electrical panels
- > Factory assembly lines
- > Mounting on transport vehicles
- > Wireless station (Wifi/4G/GPS)
- > Outdoor advertising and Digital Signage.

SOME SUCCESS STORIES

- > Unattended kiosk at petrol stations
- > Integration of payment terminals on motorways
- > Installation on trains and buses

APPLICATION SECTORS

- > Kiosk industry
- > Aerospace
- > Automotive
- > Data Centers
- > Distribution
- > Shipbuilding
- > Pharmaceutical Industry
- > Transport & Logistics
- > Meat industry
- > Fishing vessels
- > Shipyards

ALTERNATIVE REFERENCES

- > Pc industrial eNX i5 10310u
- > Pc industrial eNX i7 10810u

CERTIFICATIONS



CONNECTIONS AND PACKING



DIMENSIONS

