

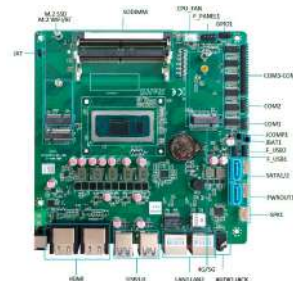


Front View

Industrial PC INTEL i5 4.4GHz 12th Generation with 1235U processor (10 Cores / 12 threads).

Rugged fanless computer in a gray aluminum chassis, featuring a passive cooling system without the use of fans to achieve protection against highly dusty environments.

It features 4 HDMI video outputs for connecting 4 x 4K monitors. 4 COM ports, 2 of which can be configured with RS485 / RS422 protocols. It has 2 x 2.5Gb LAN. Includes TPM.



TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica SA
Processor: Intel 1235u i5 4.4GHz
Resolution: 4096x2304
RAM: Supports 64GB SODIMM DDR5 4800MHz
Storage: SSD M.2 2280 NVMe
Audio: 1x Jack 2.5: Speakers / MIC
Socket: 2x RAM DDR5 / 3x M.2 2280 M-Key (NVME PCIe4.0x4) / 1x M.2 3052 B-key (4G/5G) / 1x M.2 2230 E-key (WiFi)
Ports: 4 x USB 2.1 / 4 x USB 3.1 / 4 x HDMI / 4 x COM (COM1+2 configurable RS485 / RS232)
LAN: 2x RJ45 network card
OS: Windows 7, 8, 10, 11. Linux Compatible
Power 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 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 M.2 NVMe (120, 240GB/480GB/1TB)

Audio: Realtek HD ALC662 Line-out and MIC

LAN: 2x Intel i226-V 100/1000/2500M

IP Rating: IP50. Dust ingress cannot be entirely prevented, but it must not enter in an amount sufficient to interfere with the proper operation of the equipment. No water protection. Waterproof enclosure: Available for higher IP protection (OPTIONAL)

Wireless: Mini PCI Express NGFF 3165NGW (OPTIONAL)

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

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

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

Dimensions: 170 x 140 x 58 mm (LxWxH)

Weight: 1.1 Kg

Packaging: Individual Box; PC, Power Supply, Power Cord, Drivers.

I/O PORTS



Front



Back

CONNECTIVITY OPTIONS

WiFi Module: NGFF 3165NGW
WiFi Antenna: Yes
Connection Cable: Yes
SMA Extension Cable: Optional

GPS Module: u-Blox pci-5s-1-500
GPS Antenna: Yes
Connection Cable: Yes
SMA Extension Cable: Optional

4G/GPS Module: Quectel EC25
4G/GPS Antennas: Yes
Connection Cable: Yes

PRODUCT VALUES

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

MOST COMMON APPLICATIONS

- > Interactive kiosks, multimedia
- > Self-checkout, unattended kiosks
- > Industrial Control Systems (ICS)
- > HMI control panels
- > Distributed Control Systems / SCADA
- > Data Acquisition Systems (DAQs)
- > Integration into electrical cabinets
- > Factory floor assembly lines
- > Installation in transport vehicles
- > Wireless station (Wi-Fi/4G/GPS)
- > Outdoor advertising and Digital Signage.

APPLICATION SECTORS

- > Kiosk industry
- > Aerospace
- > Automotive
- > Data Centers
- > Distribution
- > Naval / Marine Sector
- > Pharmaceutical Industry
- > Transport and Logistics
- > Meat Industry
- > Fishing vessels
- > Shipyards

SOME SUCCESS STORIES

- > Unattended gas station terminal
- > Payment terminal integration on highways
- > Installation in trains and buses

ALTERNATIVE REFERENCES

- > Industrial PC eNX i5 1235U 3L
- > Industrial PC eRX i7 10510U

CERTIFICATIONS



CONNECTIONS AND PACKAGING



PACKAGING AND DIMENSIONS

