# eNX i7-10510u-IGN

RUGGEDISED INDUSTRIAL COMPUTER

eosibérica

Mini PC Series | Fanless Industrial Computers | Industrial Components

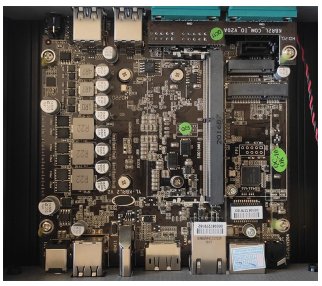


Front view

## Industrial PC with 10th-generation INTEL i7 10510U processor, 1.0 GHz-4.9 GHz **(4 cores / 8 threads).**

Ruggedised fanless computer in a black aluminium chassis, with **Power Ignition Control** function for in-vehicle use.

Dual **HDMI/DP** video output for connecting 2 HD monitors. Its 2 COM ports can be configured for RS485 / RS422 protocols. Features 2 x LAN, ideal for NIC Teaming.



Interior view

### TECHNICAL SPECIFICATIONS

**Direct Importer:** Grupo EOS Ibérica SA
**Processor:** Intel i7 10510U 1.8-4.9 GHz
**Resolution:** 4096 x 2304 @ 60 Hz (DP)
**RAM:** Supports up to 32 GB SODIMM DDR4 2133/2400 MHz
**Storage:** M.2 SSD
**Audio:** 1 x 2.5 jack: speakers / mic
**Slots:** 1 x DDR4 RAM / 1 x Mini PCIe / 1 x M.2 SATA
**Ports:** 2 x USB 2.0 / 4 x USB 3.0 / 1 x HDMI / 1 x DP / 2 x RS232
**LAN:** 2 x RJ45 network card
**OS:** Compatible with Windows 7, 8, 10, 11 and Linux
**Power supply:** DC100-240V AC input / DC12V/7.5A output / DC24V/5A
**Power consumption:** ~30-70 watts
**Vibration:** Highly vibration-resistant
**Humidity:** 0% ~ 90% (non-condensing)
**Operating temp.:** 50 °C
**Storage temp.:** -20 °C ~ 85 °C
**Warranty:** 1 year (extendable up to 3 years)

### ADDITIONAL TECHNICAL DATA

**Mounting type:** Embedded yes, VESA no, RACK no.

**Processor frequency:** min. 1.0 GHz, max. 4.9 GHz.
**Graphics:** Integrated Intel UHD 620, supports DVMT, HDMI and VGA connection.
**RAM:** 0 GB onboard + 1 x SODIMM slot/1.35 V (4/8 GB)
**ROM:** M.2 SATA SSD (120 GB/240 GB/480 GB/1 TB). Supports RAID 0/1. (M.2 SATA protocol + 2.5" SATA SSD)
**Audio:** Realtek HD ALC662 line-out and mic
**LAN:** 2 x Intel i211-AT 10/100/1000M. Wake-on-LAN. PXE
**IP rating:** IP50. Dust ingress is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment. No protection against water. Sealed enclosure: for a higher IP rating (OPTIONAL)
**Wireless:** Mini PCI Express Intel 7260BN. Wi-Fi 802.11 b/g/n (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-E (OPTIONAL). Front SIM slot
**Dimensions:** 186 x 126.5 x 66 mm (L x W x H)
**Weight:** 1.3 kg
**Packaging:** Individual box; PC, power supply, power cable, drivers.

### I/O PORTS



Front



Back

### CONNECTIVITY OPTIONS



**Wi-Fi module:** Intel 7260BN
**Wi-Fi 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-E
**4G/GPS antennas:** Yes
**Connection cable:** Yes

**KEY FEATURES**
> Controlled power on / off system. Designed for vehicles.
> High processing power with 10th-generation i7 processor.
> Compatible with Windows 11 Pro.
> Supports RAID 0 / 1
> Resistant to harsh environments: dust, grease, vibration.
> Resistant to extreme temperatures and humidity.
> Low power consumption.
> Extensive USB / COM connectivity

**TYPICAL APPLICATIONS**
> Industrial control systems (ICS)
> Interactive and multimedia kiosks
> Unattended self-service payment kiosks
> HMI control panels
> Distributed control systems (DCS) / SCADA
> Data acquisition systems (DAQ)
> Integration into electrical control 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 centres
> Retail and distribution
> Marine sector
> Pharmaceutical industry
> Transport and logistics
> Meat industry
> Fishing vessels
> Shipyards

**SUCCESS STORIES**
> Unattended terminals at petrol stations
> Payment terminal integration on motorways
> Installation on trains and buses

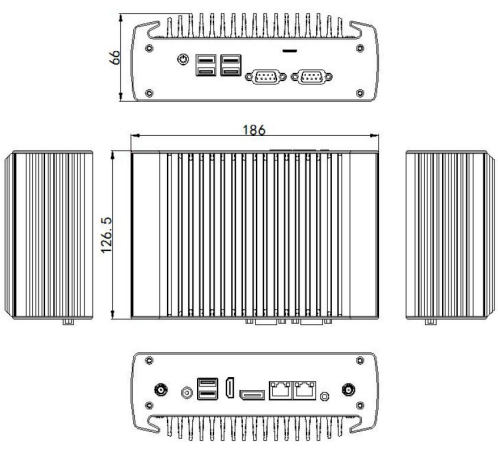
**ALTERNATIVE MODELS**
> eNX i7 10810U industrial PC
> eNX i7 10810U POE IGN industrial PC

### CERTIFICATIONS

### CONNECTIONS




### DIMENSIONS




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