

eRK i7-12700

RUGGED INDUSTRIAL COMPUTER



Embedded PC Series

Industrial Server Computers

Industrial Components



Elevation

Industrial Rack Server 1U INTEL i7 12700 up to 4.9GHZ 12th generation (12 Core / 20 threads).

Server in aluminum chassis with fan cooling system.

It has an HDMI video output. The RAM can be expanded to 64GB. 6 x RJ45 network ports, an RJ45 COM port with console function. 2 x USB 2.0 ports. Supports 2 bypass pairs. It has a PCIE X8 slot for expansion of 4 optical ports or 4 network ports.



Orientation photo

Interior

TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica

Processor: Intel i5 4460 3.2Ghz

Resolution: 4096 x 2160 @ 60Hz HDMI

RAM: Supports up to 64GB SODIMM DDR4 3200

ROM: SATA SSD / m.2 SATA SSD / SATA HDD

Audio: No

Socket: 2x RAM / 1x SATA / 1x MiniPCIE / 1x m2 SATA / 1 PCIe X8

Ports: 2xUSB 3.0/ 1xHDMI/ 1x RS232 console

LAN: 6xRJ45 (2 bypass groups)

OS: Windows 10, 11, Linux Compatible

Power supply: DC100-240V AC

Consumption: -

Vibration: Vibration resistant

Humidity: 5% ~ 95% (non-condensing)

Operating Temp.: 0°C~50°C

Storage Temp.: -20°C~85°C (SSD)

Warranty: 1 Year (Extendable up to 3 years)

OTHER TECHNICAL DATA

Mounting Type: Embedded (Built-in) no, VESA no, RACK yes 1U.

Processor Frequency: Minimum 1.6Ghz, maximum 4.9Ghz.

Graphics: Intel® UHD Graphics 770, HDMI output

RAM: 0 Gb on Board + 2 DDR4 3200 U-DIMM Memory Slots, Max. 64GB

ROM: 1 M.2 (M-Key 2280 supports SATA), optional 1*3.5" HDD/SSD or 2*2.5" HDD/SSD

Audio: No

LAN: 6 Intel i210-AT 1000M LAN ports (2 groups for Bypass) 1

PCIe X8: Expansion with 4 Optical Ports or 4 Network Ports (consult)

IP Protection: IP50. Dust ingress cannot be prevented, but it must not be present in quantities that interfere with the proper functioning of the equipment. No water protection.

Waterproof housing: No

Wireless: Mini PCI Express Intel 7260BN, WiFi 802.11 b/g/n (OPTIONAL)

4G/GPS: QUECTEL EC25-E 4G Kit (OPTIONAL)

Dimensions: 482 x 471 x 44.5 mm (LxWxH)

Weight: 6.2 Kg

Packaging: Individual Box; PC, Power Cable, Drivers.

I/O PORTS



Front



Rear

CONNECTIVITY OPTIONS



WiFi Module: Intel 7260HWM
Wifi + Bluetooth 4.0 Card (DUAL)
WiFi Antenna: Yes
Connection cable: Yes SMA
extension: Optional



4G/GPS module: QUECTEL EC25-E
4G/GPS Antennas: Yes
Connection cable: Yes

PRODUCT VALUES

- > 1U rack mount installation.
- > Complete server at low cost.
- > High performance
- > Expandable equipment configuration, up to 64GB of RAM.
- > Possibility of expanding with optical ports

MOST COMMON APPLICATIONS

- > Firewall
- > Network Server
- > Network Security
- > VPN Router
- > Cloud Computer Firewall
- > Supports AES-NI function

SECTORS OF APPLICATION

- > Data Centers
- > Distribution
- > Transportation and Logistics
- > SMEs and large companies

SOME SUCCESS STORIES

- > Systems Management
- > Database Server
- > Application Server

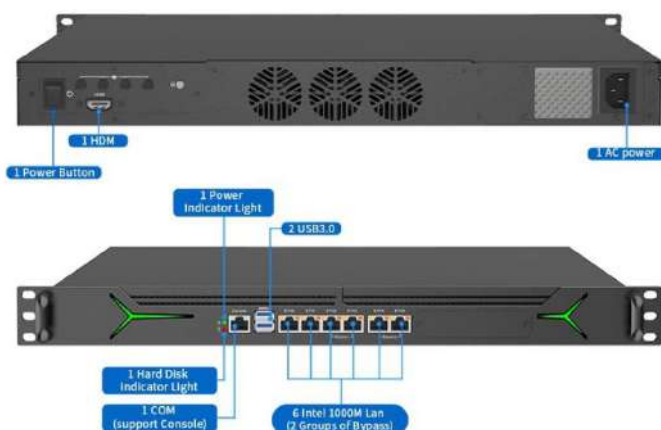
ALTERNATIVE REFERENCES

- > Industrial PC i4 4460
- > eRX i5-10210u POE Industrial PC

CERTIFICATIONS



CONNECTIONS



DIMENSIONS

