



Elevation

Rockchip RK3588 2.4GHZ ARM Industrial PC. It has an integrated independent NPU (Neural Processing Unit) with processing power of up to 6 Tops (Tera Operations Per Second) ideal for dedicated AI.

OFanless ruggedised computer in grey/blue aluminium chassis and small size, with passive cooling system without the use of fans. It has HDMI video output with 8K resolution, 2 ethernet ports, Wifi 6, flexible communication for various peripherals RS232, RS485 and GPIO digital IO. Voltage range (9V-15V).



Indoor.

TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica SA
Processor: Rockchip RK-3588, 4 Cores Cortex-A76 +4 Cores Cortex-A55, up to 2.4GHz
Resolution: 7680x4320 Mpx (8K). Internal LVDS FHD.
RAM: Onboard 4GB (support up to 32GB)
ROM: Onboard 32GB, Onboard 256GB (optional)
Audio: 1x Jack 2.5; Speakers
Socket: 1xTF card , Max 256GB / 1x MiniPCIe
Ports: 3x USB 3.0 + 1x USB 4.0/ 1xHDMI **Digital GPIO** outputs.
LAN: 2xRJ45 gigabit
OS: Android, Ubuntu, HarmonyOS
Power supply: DC100-240V AC input / DC12V output
Power consumption: ~ 15-35 watts
Vibration: Highly resistant to vibration
Humidity: 5% ~ 95% (non-condensing)
Operating Temp: -20°C~70°C
Warranty: 1 Year (Extendable up to 3 years)

OTHER TECHNICAL DATA

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

Processor Frequency: 2.42Ghz.
Graphics: GPU:G610,Support OpenGL ES 1.1/2.0/3.1/3.2, OpenCL 1.1, 1.2, 2.0 ,Vulkan 1.1 ,1.2, Support 8K
NPU: 6 TOPS **Audio:** 1 x Line-out.
LAN: 2 x Gigabit LAN.
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 case: For higher IP protection (OPTIONAL).
Wifi: Includes WIFI6, Support IEEE 802.11 a/b/g/n/ac/ax
Bluetooth: Includes Bluetooth support V2.1 + EDR / BT v3.0 / BT v3.0+HS / BT v4.0 / BT v5.0
4G/GPS: Mini PCI Express Kit 4G QUECTEL EC25-E (OPTIONAL).
Dimensions: 185 * 121 * 44 mm (LxWxH).
Weight: 0.82 Kg.
Packing: Single Box; PC, Power Supply, Power Cable.

I/O PORTS



Front



Rear

CONNECTIVITY OPTIONS

GPS module: u-Blox pci-5s-1-500
GPS antenna: Yes
Connection cable: Yes
SMA extender: Optional



4G/GPS module: QUECTEL EC-25-E
4G/GPS antennas: Yes
Connection cable: Yes

PRODUCT VALUES

- > NPU optimised for the specific types of calculations involved in AI.
- > Very small and compact industrial PC.
- > Control of digital inputs and outputs under Linux.
- > Resistant to aggressive environments; dust, grease, vibrations.
- > Integrated Wifi 6
- > 4G / GPS connection possible.
- > Very low power consumption.
- > Significant number of USB / COM connections.

MOST COMMON APPLICATIONS

- > Industrial control.
- > Vending machines
- > Robots
- > Self-service terminals
- > On-board computer equipment.

FIELDS OF APPLICATION

- > Military industry.
- > Automotive.
- > Data Centers.
- > Distribution.
- > Naval sector.
- > Pharmaceutical Industry.
- > Transport and Logistics.
- > Meat industry.
- > Fishing vessels.
- > Shipyards.

SOME SUCCESS STORIES

- > Integration in production lines.
- > Meat/fish factories.
- > Embedded system in military vehicles.

ALTERNATIVE REFERENCES

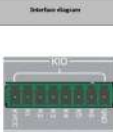
- > Pc industrial J1900 GPIO
- > Pc industrial N2930.
- > Pc industrial i5 3317u.

CERTIFICACIONES



CONNECTIONS



order number	definition	IO number	Interface diagram
1	GPIO	1	
2	GPIO	2	
3	GPIO	3	
4	GPIO	4	
5	GPIO	5	
6	GPIO	6	
7	GPIO	7	
8	GPIO	8	
9	GPIO	9	
10	GPIO	10	

DIMENSIONS

