

# EPC-R7300

## Industrial-Grade NVIDIA Jetson Orin™ Nano and NX Barebone Box PC

NEW



### Features

- NVIDIA Jetson Orin™ Nano and NX Module compatible Barebone PC
- Industrial and Expandable Design
- HDMI up to 3840 x 2160 at 60Hz resolution
- Dual GbE LAN, 2 USB3.2 Gen 2
- 1 Nano SIM Slot
- 1 M.2 3042/52 Key B Slot, 1 M.2 2230 Key E Slot, 1 M.2 2280 Key M Slot
- 4 Kinds of Rear I/O for Each Vertical Focus: IEM, Self Service, Automation and Networking

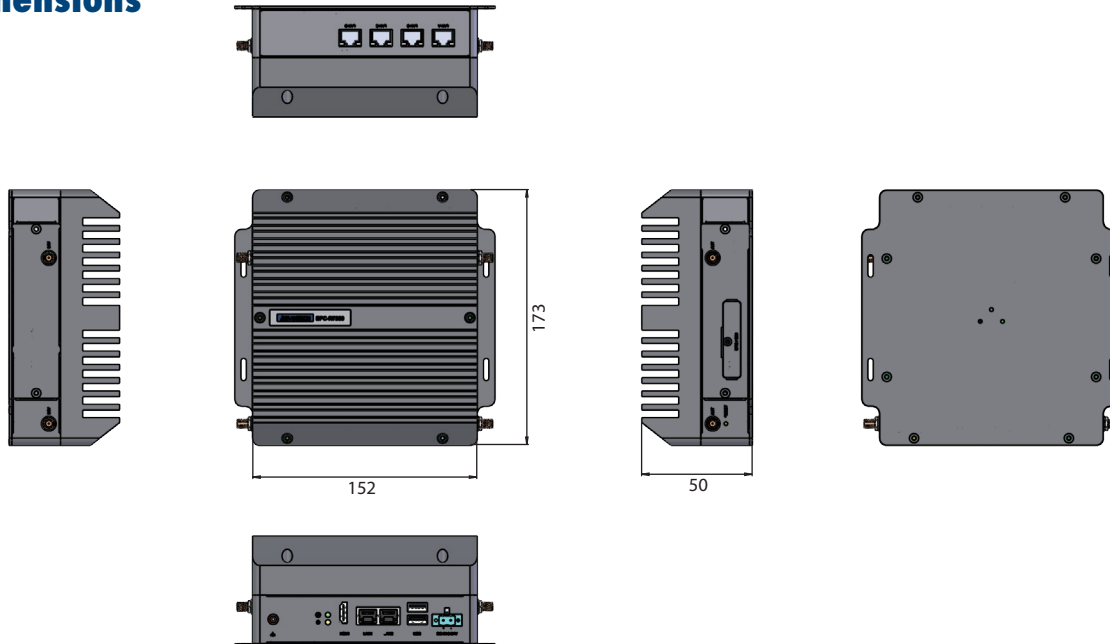


### Specifications

| Model              | EPC-R7300IJ-ALA1NN    |                                                                                                                                             | EPC-R7300IJ-ALA180 |
|--------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Compatible Modules | NVIDIA Jetson Series  | Orin Nano and NX                                                                                                                            |                    |
| Graphics           | HDMI                  | 1 x HDMI 2.0, Maximum Resolution 3840 x 2160 at 60Hz                                                                                        |                    |
|                    | Graphics Engine       | NVIDIA Ampere GPU on Jetson Modules                                                                                                         |                    |
|                    | H/W Video Codec       | Up to 4K60 encode/decode                                                                                                                    |                    |
| Ethernet           | Chipset               | NVIDIA Jetson integrated RGMII and Intel 1GbE Controller                                                                                    |                    |
|                    | Speed                 | 2 10/100/1000 Mbps                                                                                                                          |                    |
| Indicator          | LED                   | 1 x Power LED; 1 x Programmable LED                                                                                                         |                    |
| Front I/O          | USB                   | 2 x USB3.2 Gen 2 Type A                                                                                                                     |                    |
|                    | GbE                   | 2 x RJ45 for GbE                                                                                                                            |                    |
| Rear I/O           |                       | N/A                                                                                                                                         | 3 x LAN & 1 WAN    |
| Expansion          | M.2                   | 1 M.2 3042/52 Key B Slot (PCIe/USB3.2 Gen2/I2C)<br>1 M.2 2230 Key E Slot (USB2.0/PCIe/UART/I2C)<br>1 M.2 2280 Key M Slot (x4 PCIe for NVMe) |                    |
|                    | SIM                   | 1 Nano SIM Slot                                                                                                                             |                    |
|                    | Antenna Holes         | 4                                                                                                                                           |                    |
| Power              | Power Supply Voltage  | 9-36V                                                                                                                                       |                    |
|                    | Power Type            | 2-pole lockable DC-in                                                                                                                       |                    |
|                    | Power Consumption     | 40 Watts (Depends on Module Selection)                                                                                                      |                    |
| Environment        | Operating Temperature | -20 ~ 60 °C                                                                                                                                 |                    |
|                    | Operating Humidity    | 5% ~ 95% relative humidity, non-condensing                                                                                                  |                    |
| Mechanical         | Dimensions            | 152 x 173 x 50 mm (W x L x H)                                                                                                               |                    |
|                    | Mounting              | Wall mount, DIN Rail mount                                                                                                                  |                    |
|                    | Weight                | 1.25 Kg                                                                                                                                     |                    |
| Operating System   | Linux                 | Ubuntu                                                                                                                                      |                    |
| Certifications     |                       | CE/FCC Class B                                                                                                                              |                    |

## Dimensions

Unit: mm



## Ordering Information

| Part Number         | HDMI | LAN                          | USB | DI/DO | Serial Port | SSD   | Nano SIM | UIO & Orin | Operating Temperature |
|---------------------|------|------------------------------|-----|-------|-------------|-------|----------|------------|-----------------------|
| EPC-R7300IJ-ALA1NN* | 1    | 2                            | 2   | -     | -           | -     | 1        | -          | -20 ~ 60 °C           |
| EPC-R7300IJ-ALA180* | 1    | 6 (3 LAN & 1WAN by UIO-4038) | 2   | -     | -           | -     | 1        | UIO-4038   | -20 ~ 60 °C           |
| EPC-R7300IH-ALA1NN  | 1    | 2                            | 2   | -     | -           | 128GB | 1        | NX-16GB    | -20 ~ 60 °C           |
| EPC-R7300IV-ALA1NN  | 1    | 2                            | 2   | -     | -           | 128GB | 1        | NX-8GB     | -20 ~ 60 °C           |
| EPC-R7300IF-ALA1NN  | 1    | 2                            | 2   | -     | -           | 128GB | 1        | Nano-8GB   | -20 ~ 60 °C           |
| EPC-R7300IT-ALA1NN  | 1    | 2                            | 2   | -     | -           | 128GB | 1        | Nano-4GB   | -20 ~ 60 °C           |

\*Not available in Europe.

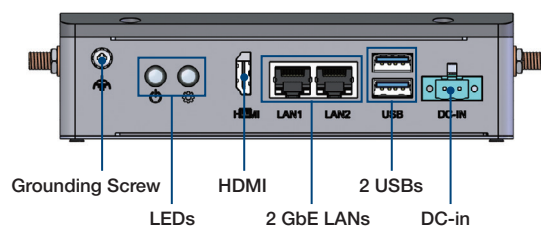
## Packing List

| Part Number    | Description                                       |
|----------------|---------------------------------------------------|
| 1970005683T001 | Heat Spreader for Jeston Orin Nano and NX modules |
| 1652005203     | PLUG-IN BLOCK 2P 90D(F) MC101-50002GUY            |

## Optional Accessories

| Part Number        | Description                                                  |
|--------------------|--------------------------------------------------------------|
| 968DD00270         | NVIDIA Jetson Orin NX 8G Module                              |
| 968DD00271         | NVIDIA Jetson Orin NX 16G Module                             |
| 968DD00349         | NVIDIA Jetson Orin Nano 8GB Module                           |
| 968DD00350         | NVIDIA Jetson Orin Nano 4GB Module                           |
| 96PSA-A60W24T2-3   | ADP A/D 100-240V 60W 24V C14 CORD END 2PIN 62368             |
| 1702002600         | Power Cord UL 3P 10A 125V 183cm                              |
| 1702002605         | Power Cord 3P EU 10A 250V 183cm                              |
| 1702031801         | Power Cord 3P UK 10A 250V 183cm                              |
| 1700000237-01      | Power Cord 3P PSE 183cm                                      |
| 1700009652         | Power Cord CCC 3P 10A 250V 187cm                             |
| 1960015198T011     | DIN Rail kit                                                 |
| SQF-C8MV2-128G-EDE | SQF PCIe/NVMe M.2 2280 OPAL 720 128G 3D TLC BiCS3 (-40~85°C) |
| AIW-355DQ-E01      | 5G(Sub-6G)/LTE/WCDMA module, GNSS, for Europe                |
| 1750009372-01      | Ant.SMA/M 90/180 5G BLK 167mm RG178                          |
| 1751000360-01      | GPS & Beidou antenna 1575 & 1561±8Mhz                        |
| 1751000488-01      | Cable Ant. RP SMA(F) MHF4L/1.37 BLK L150mm                   |
| EWM-W159M201E      | M.2 2230 WiFi5+BT5.0 module                                  |
| 1750008717-01      | Dipole Ant. D.B 2.4/5G WIFI 3dBi SMA/M-R BLK                 |
| 1750008799-01      | Cable Ant.SMA/F-R-BH MFH4/113 BLK L170                       |
| 20706UJTNS0009     | Ubuntu OS image for Jetson Orin Nano and NX modules          |

## Front I/O



# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.