

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

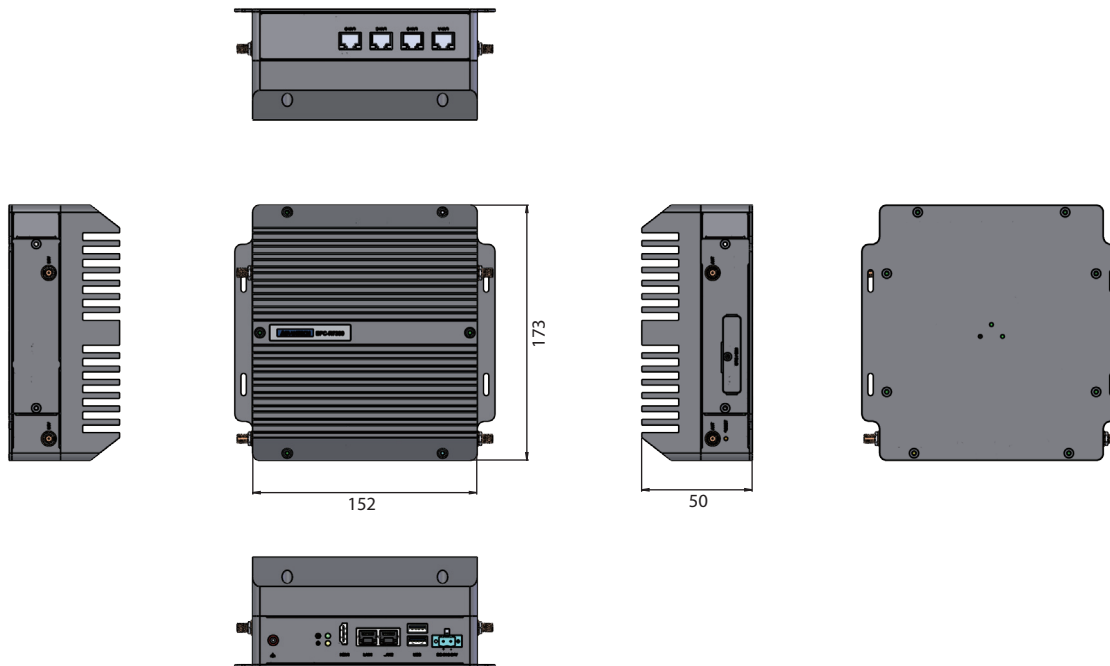


Specifications

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) 1 M.2 2230 Key E Slot (USB2.0/PCIe/UART/I2C) 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



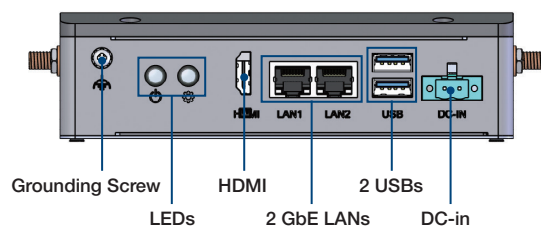
Ordering Information

Part Number	HDMI	LAN	USB	DI/DO	Serial Port	Micro SD	Nano SIM	UIO40 Exp.	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

Packing List

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

Front I/O



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
TBD	Ubuntu OS image for Jetson Orin Nano and NX modules