

EPC-R7200

Industrial-Grade Nvidia Jetson Barebone Box PC

NEW



Features

- NVIDIA Jetson Module compatible Barebone PC
- Industrial and Expandable Design
- HDMI up to 3840 x 2160 at 60Hz resolution
- Dual GbE LAN, 2 USB3.2 Gen 1
- 1 Micro SD Socket & 1 Nano SIM Slot
- 1 M.2 3042 Key B Slot, 1 M.2 2230 Key E Slot
- 4 Kinds of Rear I/O for Each Vertical Focus: IEM, Self Service, Automation and Networking
- Qualified for Edge AI SRP of WISE-DeviceOn



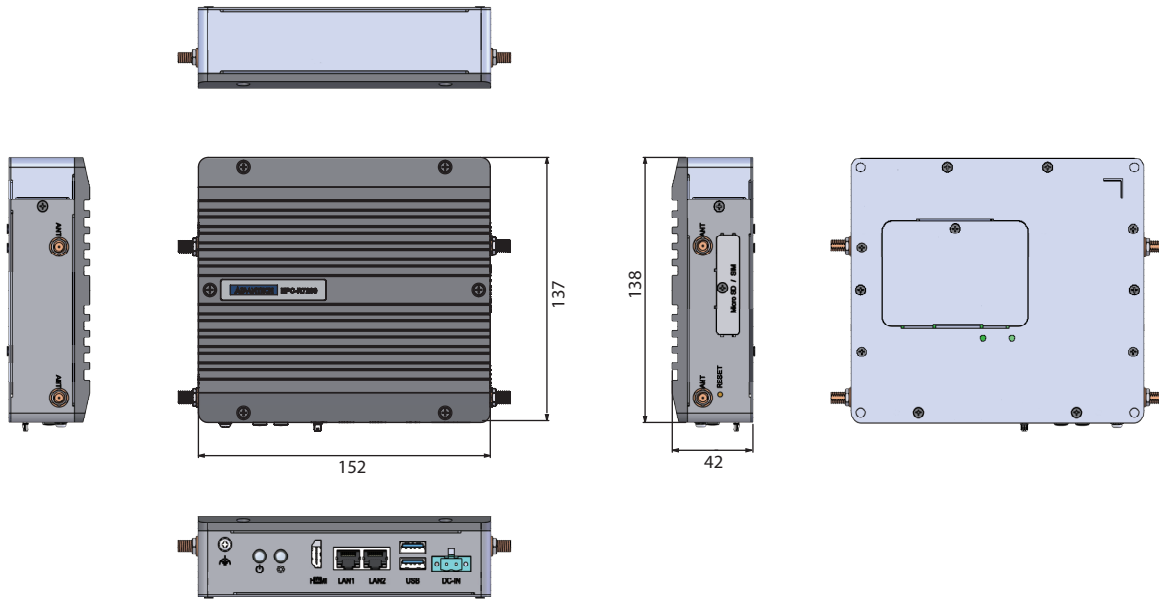
Specifications

Model		EPC-R7200IJ-ALA100	EPC-R7200IJ-ALA120	EPC-R7200IJ-ALA140	EPC-R7200IJ-ALA160
Compatible Modules	NVIDIA Jetson Series	Nano / TX2 NX / Xavier NX			
Graphics	HDMI	1 x HDMI 2.0, Maximum Resolution 3840 x 2160 at 60Hz			
	Graphics Engine	NVIDIA Maxwell GPU / Pascal GPU / Volta GPU on Jetson Modules			
	H/W Video Codec	Up to 4K 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 1 Type A			
	GbE	2 x RJ45 for GbE			
Rear I/O		1 x RS-485, 1 x 2 wires RS-232 4 x DIs, 4 x DOs	2 x 2 wires RS-232 1 x GbE, 2 x USB 2.0	2 x 2 wires RS-232 1 x CAN Bus 2.0B	4 X GbE (Hub)
Expansion	M.2	1 M.2 2230 Key E Slot (USB2.0/PCIe/UART/I2S) 1 M.2 3042 Key B Slot (USB3.0/I2C)			
	SD Socket	1 Micro SD Socket			
	SIM	1 Nano SIM Slot			
	Antenna Holes	4			
Power	Power Supply Voltage	9-24V			
	Power Type	2-pole lockable DC-in			
	Power Consumption	5 ~ 15 W (Depends on Module Selection)			
Environment	Operating Temperature	-20~60 / -20~70*			
	Operating Humidity	5% ~ 95% relative humidity, non-condensing			
Mechanical	Dimensions	152 x 138 x 42 mm			
	Mounting	Wall mount, DIN Rail mount			
	Weight	925g			
Operating System	Linux	Ubuntu			
Certifications		CE/FCC Class B			

* -20 ~ 70 supports by specific Power Mode of Jetson Modules

Dimensions

Unit: mm



Ordering Information

Part Number	HDMI	LAN	USB	DI/DO	Serial Port	CANbus	Micro SD	Nano SIM	I/O Exp.	Operating Temperature
EPC-R7200J-ALA1NN	1	2	2	-	-	-	1	1	-	-20 ~ 60 °C
EPC-R7200J-ALA100	1	2	2	4/4	1 RS-232, 1 RS-485	-	1	1	UIO-4030	-20 ~ 60 °C
EPC-R7200J-ALA120	1	3	4	-	2 RS-232	-	1	1	UIO-4032	-20 ~ 60 °C
EPC-R7200J-ALA140	1	2	2	-	2 RS-232	1	1	1	UIO-4034	-20 ~ 60 °C
EPC-R7200J-ALA160	1	6 (2 as independent, and 4 by hub)	2	-	-	-	1	1	UIO-4036	-20 ~ 60 °C

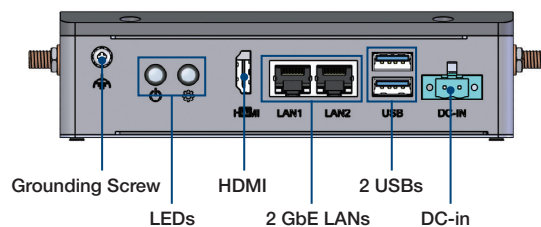
Packing List

Part Number	Description
1970005170T011	Heat Spreader for Jetson Xavier NX Modules
1970005170T021	Heat Spreader for Jetson TX2 NX Modules
1970005170T001	Heat Spreader for Jetson Nano Modules

Optional Accessories

Part Number	Description
968AD00549	NVIDIA Jetson Nano Module
968DD00139	NVIDIA Jetson TX2 NX Module
968DD00029	NVIDIA Jetson Xavier NX Module
968MOUJTSN	Ubuntu OS License for Jetson
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 PSE 3P 12A 125V 183cm
1700009652	Power Cord CCC 3P 10A 250V 187cm
EWM-W159M201E	802.11 ac/a/b/g/n + Bluetooth 5.0 M.2 2230 (A-E Key) Card
1750007965-01	WiFi Dual band 2.4G and 5G Antenna
1750008717-01	WiFi Coaxial Cable, SMA (M) to MHF4, 300 mm
1935030500	Screw for WiFi/Cellular Module R/S M3x5L D=5.5 H=2 (2+) ST BZn
968AD00426	SIERRA EM7565 Global band Cat-12 M.2 module
1750008303-01	Cellular Antenna AN0727-64SP6BSM
1750008644-01	Cellular Cable Ant. SMA/F-BH MHF4/113 BLK L150mm IPX5

Front I/O



WISE-DeviceOn

Edge AI OTA and Container Management

WISE-DeviceOn End-to-End Solution for Edge AI

Even if all datasets, algorithms, trainings, UI/UX, and more are functioning, how can you easily deploy an AI application to hundreds, or thousands, of inference devices in production? How can you efficiently manage AI models (software updates, CI/CD), in addition to all remote, hardware devices, such as sensors?



Solution Advantages



Performance Booster

- Inference optimization
- Open Neural Network Compiler (ONNC)
- Save over 45% DRAM consumption



Fleet Management

- Remote batch control for power management, reboot, terminal and screenshot
- Real-time monitoring, diagnostics and notification
- Over 10,000 devices around the globe



Container and OTA

- Streamlined deployment process
- Docker container management
- Software OTA (over-the-air) updates



AI Security

- AI containers deployed via Azure Container Registry and Harbor
- Secured data connection (TLS/SSL)
- Integrity protection based on digital signature

👉 Find More Information about [WISE-DeviceOn End-to-End Solution for Edge AI](#)