

# EPC-R3430

## NXP ARM® Cortex®-A9 i.MX6 Dual 1GHz Fanless Box



### Features

- NXP i.MX 6 Dual 1GHz
- On-board 1GB DDR3L and 4GB eMMC
- HDMI
- RS-232/422/485, 2 USB, 1 GbE
- 1 Micro SD socket
- I/O selection of UIO-4030, UIO-4032 and UIO-4034
- Mini-PCle w/ SIM socket for 3G/LTE
- M.2 Key E, Type 2230 for Wi-Fi & BT

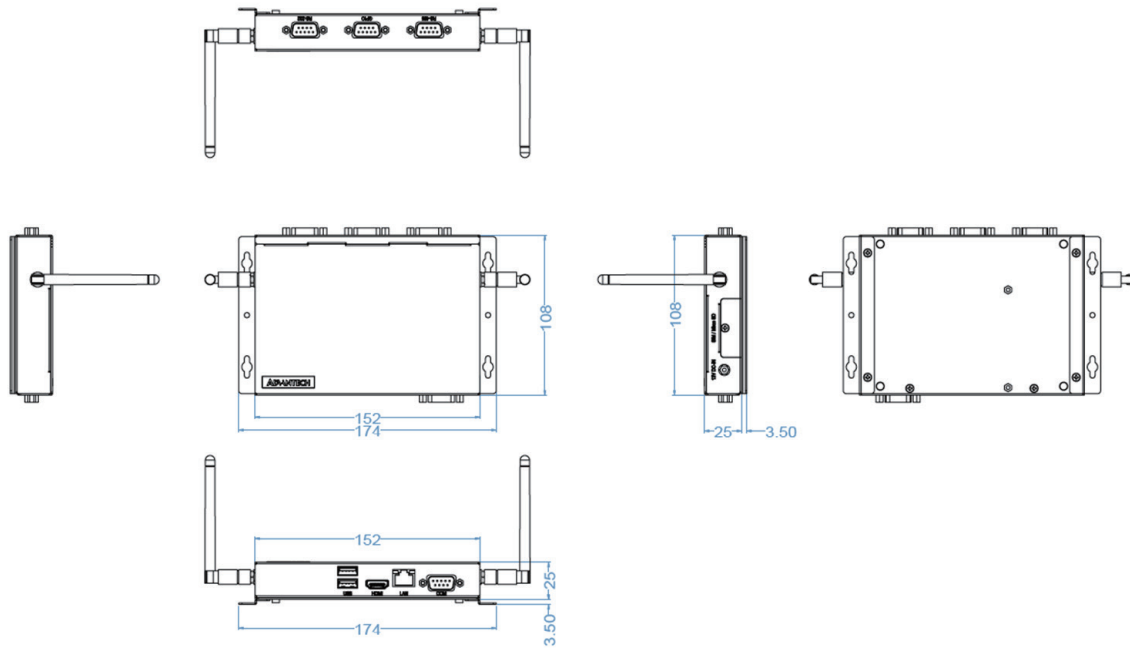


### Specifications

Model		EPC-R3430ID-PLA100	EPC-R3430ID-PLA120	EPC-R3430ID-PLA140
Processor System	CPU	NXP ARM® Cortex®-A9 i.MX6 dual 1 GHz		
	Technology	DDR3		
Memory	Capacity	1 GB On-board		
	Flash	4 GB On-board eMMC Flash for OS and 4 MB of NOR Flash for boot code		
Graphics	HDMI	HDMI with 1920 x 1080 resolution		
	Graphics Engine	1 x IPU. OpenGL ES 2.0 for 3D, BitBit for 2D 1 x IPU. OpenVG 1.1		
	H/W Video Codec	Decoder: MPEG-4 ASP, H.264 HP, H.263, MPEG-2 MP, MJPEG BP Encoder: MPEG-4 SP, H.264 BP, H.263, MJPEG BP		
Ethernet	Chipset	NXP i.MX6 integrated RGMII		
	Speed	1 10/100/1000 Mbps		
Watchdog Timer	Watchdog Timer	1~6553s, power on/off 4s		
Front I/O	USB	2 x USB 2.0 Type A		
	UART	1 x RS-232/ 422/ 485		
	GbE	1 x RJ45 for GbE		
Rear I/O		1 x RS-485, 1 x 2 wires RS-232	2 x 2 wires RS-232	2 x 2 wires RS-232
		1 x 8 GPIO	1 x GbE, 2 x USB 2.0	1 x CAN Bus 2.0B
Expansion	Full-Size Mini PCIe	1 (with USB signal only)		
	M.2 Micro	1 M.2 Key-E, Type 2230		
	SD Socket	1 Micro SD Socket		
	SIM	1 Nano SIM socket		
	Antenna Holes	2		
Power	Power Supply Voltage	12 V <sub>DC</sub>		
	Power Type	DC-Jack		
	Power Consumption	2 Watts (max. load)		
Environment	Operating Temperature	-20 ~ 60 °C		
	Operating Humidity	5 ~ 95% relative humidity, non-condensing		
Mechanical	Dimensions	174 x 108 x 25 mm		
	Mounting	Wall mount		
	Weight	480 g		
Operating System	Linux	Yocto , Ubuntu		
	Android	Android		
Certifications		CE/FCC Class B		

## Dimensions

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Flash	HDMI	LAN	USB	GPIO	Serial Port	Micro SD	SIM	CAN	Operating Temperature
EPC-R3430ID-PLA100	Dual 1 GHz	1 GB	4 GB	1	1	2	8	3	1	1	-	-20 ~ 60 °C
EPC-R3430ID-PLA120	Dual 1 GHz	1 GB	4 GB	1	2	4	-	3	1	1	-	-20 ~ 60 °C
EPC-R3430ID-PLA140	Dual 1 GHz	1 GB	4 GB	1	1	2	-	3	1	1	1	-20 ~ 60 °C

## Packing List

Part Number	Description
1960093165N001	EPC-R4030 mount bkt

## Optional Accessories

Part Number	Description
96PSA-A36W12R1	ADAPTER 100-240V 36W 12V 3A
EWM-W162M201E	802.11 ac/a/b/g/n Wi-Fi and BT4.2 M.2 card
EWM-C117FL01E	LTE/HSPA+/GPRS module, w/o SIM Slot, for USA AT&T, T-Mobile, w/o voice function
1750006264	Antenna SMA(F)/MHF 15cm SMALFN8-3150A-00X00R (4G Cable)
1750007990-01	Antenna 4G/LTE full band L=11 cm 50 Ohm
1750007965-01	Wi-Fi cable, SMA (M) to MHF4, 50 cm
1750000318	2DBI 2.4 GHz SMA CONN

## Front I/O

