

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-PCIe w/ SIM socket for 3G/LTE
- M.2 Key E, Type 2230 for Wi-Fi & BT

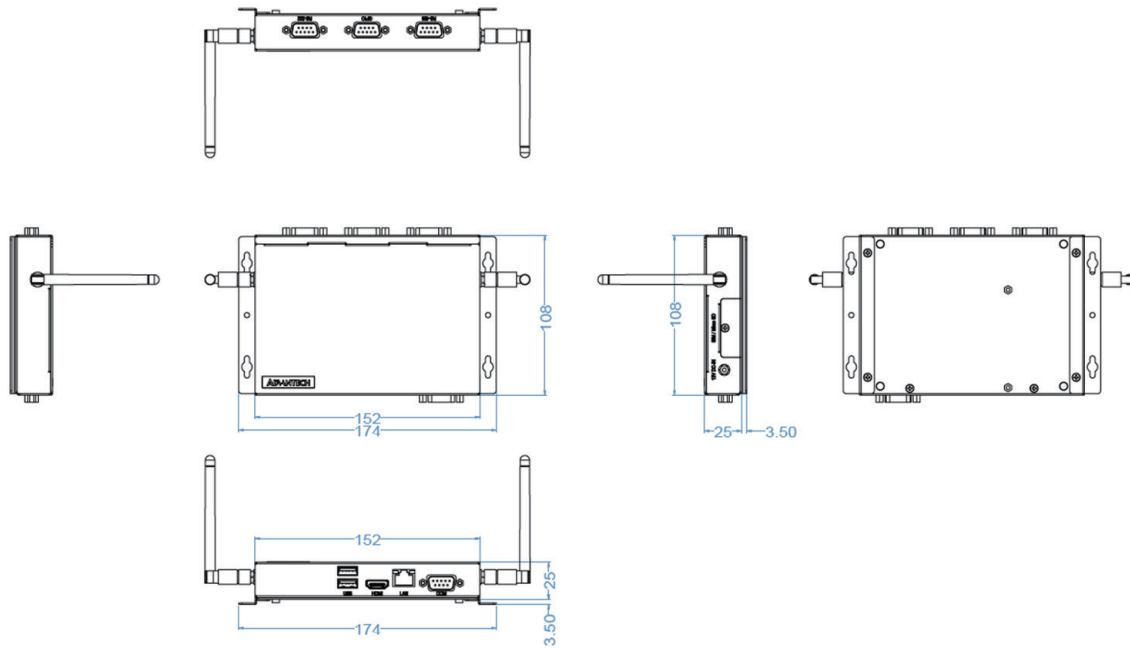


Specifications

Model		EPC-R3430ID-PLA100	EPC-R3430ID-PLA120	EPC-R3430ID-PLA140	EPC-R3430ID-PLA160			
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, BitBlit 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	UIO-4030	1x RS-485, 1x "2 wire" RS-232, 8x GPIO	UIO-4032	2x "2 wire" RS-232, 1x GbE, 2x USB 2.0	UIO-4034	2x "2 wire" RS-232, 1x CAN	UIO-4036	4x GbE
	Expansion	Full-Size Mini PCIe	1 (with USB signal only)					
Power	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 Supply Voltage	12 V _{oc}						
Environment	Power Type	DC-Jack						
	Power Consumption	2 Watts (max. load)						
	Operating Temperature	-20 ~ 60 °C						
Mechanical	Operating Humidity	5 ~ 95% relative humidity, non-condensing						
	Dimensions	174 x 108 x 25 mm						
	Mounting	Wall mount						
Operating System	Weight	480 g						
	Linux	Yocto , Ubuntu						
Certifications	Android	Android						
		CE/FCC Class B						

Dimensions

Unit: mm



Ordering Information

Part Number	CPU	Memory	Flash	LAN	USB	GPIO	Serial Port	Micro SD	CAN	I/O Exp.	Operating Temperature
EPC-R3430ID-PLA100	Dual 1 GHz	1 GB	4GB, Yocto V2.1	1	2	8	3	1	-	UIO-4030	-20 ~ 60 °C
EPC-R3430ID-PLA120	Dual 1 GHz	1 GB	4GB, Yocto V2.1	2	4	-	3	1	-	UIO-4032	-20 ~ 60 °C
EPC-R3430ID-PLA140	Dual 1 GHz	1 GB	4GB, Yocto V2.1	1	2	-	3	1	1	UIO-4034	-20 ~ 60 °C
EPC-R3430ID-PLA160	Dual 1 GHz	1 GB	4GB, Yocto V2.1	5	2	-	1	1	-	UIO-4036	-20 ~ 60 °C

Packing List

Part Number	Description
1960093165N001	EPC-R3430 series mount bkt

Optional Accessories

Part Number	Description
96PSA-A36W12R1	ADAPTER 100-240V 36W 12V 3A
AIW-154BN	802.11 ac/a/b/g/n Wi-Fi and BT5.0 M.2 card
AIW-165BN	802.11a/b/g/n/ac/ax, Wi-Fi 6 and BT 5.3
AIW-344FQ-x01	LTE/HSPA+/GPRS module, with GPS
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

