

EPC-R3710

Rockchip RK3399 Cortex-A72 UIO40-Express Edge AI Box Computer

NEW



Features

- Rockchip RK3399 ARM Dual Cortex-A72 and Quad Cortex-A53 1.8 GHz
- Onboard LPDDR4 2 GB
- HDMI 1920x1080 at 60Hz
- Dual Lan, 1 2-wire RS-232, 1 USB3.0, 1 USB2.0, 1 Micro SD
- 1 mini-PCIe for LTE/WiFi/BT
- Compatible with UIO40-Express modules: UIO-4030, UIO-4032 and UIO-4034
- Supports Linux and Android
- 4 Kinds of Rear I/O for Each Vertical Focus: IEM, Self Service, Automation and Networking

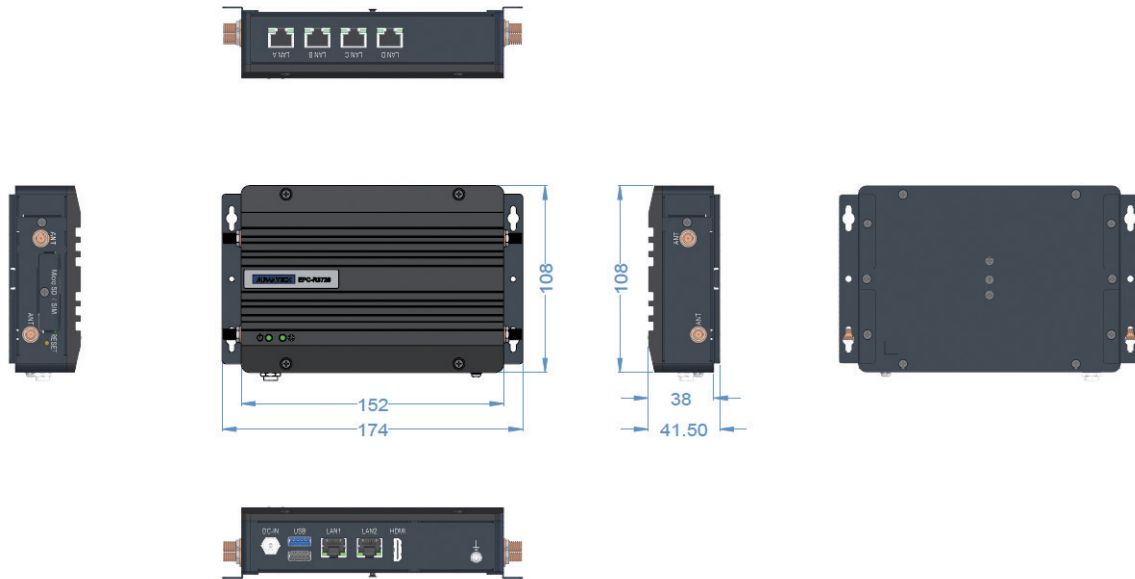


Specifications

Model		EPC-R3710NO-XAA100	EPC-R3710NO-XAA120	EPC-R3710NO-XAA140	EPC-R3710NO-XAA160
Processor System	CPU	Rockchip RK3399 ARM dual Cortex-A72 and quad Cortex-A53 1.8 GHz			
	Technology	LPDDR4			
Memory	Capacity	2 GB On-board			
	Flash	16GB of eMMC NAND Flash for OS and Advantech's boot loader			
Graphics	HDMI	1 HDMI 2.0, 1920 x 1080 at 60Hz			
	Graphics Engine	OpenGL ES 1.1/2.0/3.1, OpenCL 1.1, DirectX 11			
	H/W Video Codec	Decoder: MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, VP8, MVC, HEVC/H.265 decoder, 4k@60FPS Encoder: H.264 (BP@level4.0, MP, HP@level4.0), MVC and VP8			
Ethernet	Chipset	RTL8211FSI			
	Speed	2 10/100/1000 Mbps			
Watchdog Timer	Watchdog Timer	Yes			
Front I/O	USB	1 x USB3.0 Type A, 1 x USB 2.0 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	4 X GbE (Hub)
Expansion	Full-Size Mini PCIe	1 Full Size Mini PCIe Slot (with PCIe/USB)			
	M.2 Micro	-			
	SD Socket	1 Micro SD Socket			
	SIM	1 Nano SIM Slot			
	Antenna Holes	4			
Power	Power Supply Voltage	+12V			
	Power Type	Lockable DC-Jack			
	Power Consumption	TBD			
Environment	Operating Temperature	0 ~ 50 °C/-20 ~ 70 °C			
	Operating Humidity	5% ~ 95% relative humidity, non-condensing			
Mechanical	Dimensions	174 x 108 x 25 mm			
	Mounting	Wall mount			
	Weight	TBD			
Operating System	Linux	Debian			
	Android	Android			
Certifications		CCC/CE/FCC/BSMI Class B			

Dimensions

Unit: mm



Ordering Information

Part Number	CPU	Memory	Flash	HDMI	LAN	USB	DI/DO	Serial Port	Micro SD	Nano SIM	CAN	Operating Temperature
EPC-R3710NO-XAA100	Rockchip RK3399	2 GB	16 GB	1	2	2	4/4	1 RS-232, 1 RS-485	1	1	-	0 ~ 50 °C
EPC-R3710NO-XAA120	Rockchip RK3399	2 GB	16 GB	1	3	4	-	2 RS-232	1	1	-	0 ~ 50 °C
EPC-R3710NO-XAA140	Rockchip RK3399	2 GB	16 GB	1	2	2	-	2 RS-232	1	1	-	0 ~ 50 °C
EPC-R3710NO-XAA160	Rockchip RK3399	2 GB	16 GB	1	6	2	-	-	1	1	-	0 ~ 50 °C

Packing List

Part Number	Description
1960093165N001	EPC-R4030 mount bkt
EPC-R3710	EPC-R3710 box computer

Optional Accessories

Part Number	Description
96PSA-A36W12R1-3	ADAPTER 100-240V 36W 12V 3A
EWM-W163M201E	802.11 a/b/g/n/ac, QCA6174A, 2T2R, w/BT4.1, M.2 2230
1750008717-01	Dipole Ant. D.B 2.4/5G WIFI 3dBi SMA/M-R BLK
1750007965-01	Antenna Cable R/P SMA (M) to MHF4, 300mm
EWM-C117FL06E*	LTE 4G, 3G WCDMA/DC-HSPA+, 2G module, MPC1-L280H
1750007990-01	Antenna 4G/LTE full band L=11 cm 50 Ohm
1750006009	Antenna Cable SMA (F) to MHF 1.32 25cm

*Please contact us for suggesting suitable cellular module for your region

Front I/O

