

EPC-R3710

Rockchip RK3399 Cortex-A72 Arm-Based边缘智能系统



- 搭载Rockchip RK3399 ARM 双核 Cortex-A72 和四核 Cortex-A53 1.8 GHz
- 板载 2 GB LPDDR4 高速内存
- 支持HDMI 1920x1080 60Hz
- 支持双LAN口、1 2-wire RS-232、1 USB3.0、1 USB2.0、1 Micro SD
- 1 个mini-PCIe 支持 LTE/WiFi/BT模块
- 兼容 UIO40-Express模块: UIO-4030、UIO-4032 和UIO-4034
- 支持 Linux 及 Android
- 4 种背部I/O接口聚焦垂直应用: IEM, 自助服务, 自动化、网络通信

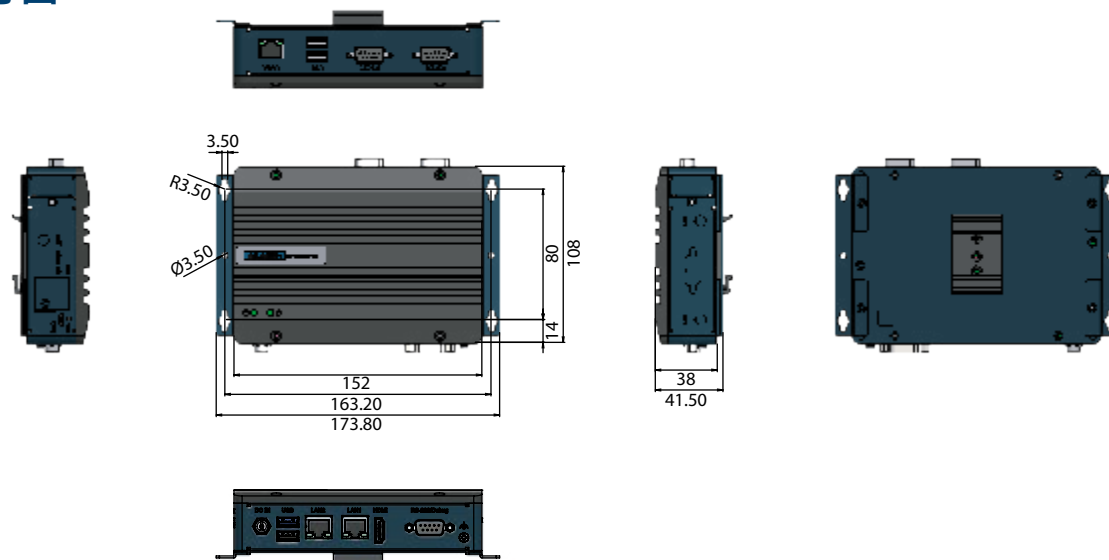


规格

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			
Memory	Technology	LPDDR4			
	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	3			
Power	Power Supply Voltage	+12V			
	Power Type	Lockable DC-Jack			
	Power Consumption	11.5W(burning)			
Environment	Operating Temperature	0 ~ 50 °C/-20 ~ 70 °C			
	Operating Humidity	5% ~ 95% relative humidity, non-condensing			
Mechanical	Dimensions	174 x 108 x 41 mm			
	Mounting	Wall mount			
	Weight	TBD			
Operating System	Linux	Debian			
	Android	Android			
Certifications		CCC/CE/FCC/BSMI Class B			

尺寸图

Unit: mm



订货信息

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
EPC-R3710IO-XAA100	RK3399K	2 GB	16 GB	1	2	2	4/4	1 RS-232, 1 RS-485	1	1	-	-20 ~ 70 °C
EPC-R3710IO-XAA120	RK3399K	2 GB	16 GB	1	3	4	-	2 RS-232	1	1	-	-20 ~ 70 °C
EPC-R3710IO-XAA140	RK3399K	2 GB	16 GB	1	2	2	-	2 RS-232	1	1	-	-20 ~ 70 °C
EPC-R3710IO-XAA160	RK3399K	2 GB	16 GB	1	6	2	-	-	1	1	-	-20 ~ 70 °C
EPC-R3710NO-XAA10B*	RK3399	2 GB	16 GB	1	2	2	4/4	1 RS-232, 1 RS-485	1	1	-	0 ~ 50 °C
EPC-R3710IO-XAA10B*	RK3399K	2 GB	16 GB	1	2	2	4/4	1 RS-232, 1 RS-485	1	1	-	-20 ~ 70 °C

*this sku has BSMI certification

装箱单

Part Number	Description
1960099634N001	EPC-R3710 mount bkt
EPC-R3710	EPC-R3710 box computer

可选配件

Part Number	Description
96PSA-A36W12W7-5	ADP A/D 100-240V 36W 12V C6 LOCK DC JACK 62368
1700001524	Power cord 3P UL 10A 125 V 180 cm
170203180A	Power Code 3P UK 2.5A/3A 250V 1.83cm
170203183C	Power Code 3P Europe 183cm
1700019146	Power Cord CCC 3P 10A 250V 183cm
968AD00479*	EC20CEFAG-MINIPICIE R2.1 LTE Cat 4
1750006264	Antenna cable SMA(F)/MHF 15cm
1750007990-01	Antenna 4G/LTE full band L=11 cm 50 Ohm
EWM-W159M201E*	IEEE 802.11a/b/g/n/ac 2T2R and BT 5.0 Module (M.2 2230)
EXM-CMPF1-M2E01	E M.2(NGFF) to MiniPCIE KEY-E Adapter
1750008800-01	Antenna Cable R/P SMA (M) to MHF4, 100mm
1750008671-01	Dipole Ant.SMA/M-R 2.4/5G 2.5/4dBi BLK 109mm
1960015198T011	DIN RAIL KIT
SQF-MSDM1-8G-21C SQF	MICRO SD C10 MLC 8G (-25 ~ 85 °C)

*EWM-W159M201E should be used with M.2(NGFF) to MiniPCIE KEY-E adapter(EXM-CMPF1-M2E01E)

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

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