

# EPC-R4680

Rockchip RK3288 Cortex-A17  
Arm-Based边缘智能系统



- Rockchip Arm Cortex-A17 RK3288 Quad core, 最高可达1.6GHz
- 搭载 2GB DDR3L 内存及 8GB eMMC
- 支持 4K H.264/H.265 视频解码, OpenVG1.1, OpenGL ES1.1/2.0/3.0, OpenCL1.1, DirectX11.
- 支持 HDMI 3840 x 2160 at 60Hz, VGA 1920 x 1200 at 60Hz
- 6 UART, 5 USB2.0, 1 USB OTG, 1GbE, 8GPIO
- 支持适用于WIFI/BT模块的M.2插槽, 4G 模块的Mini-PCIe 插槽
- 支持 Linux 及 Android



## 产品介绍

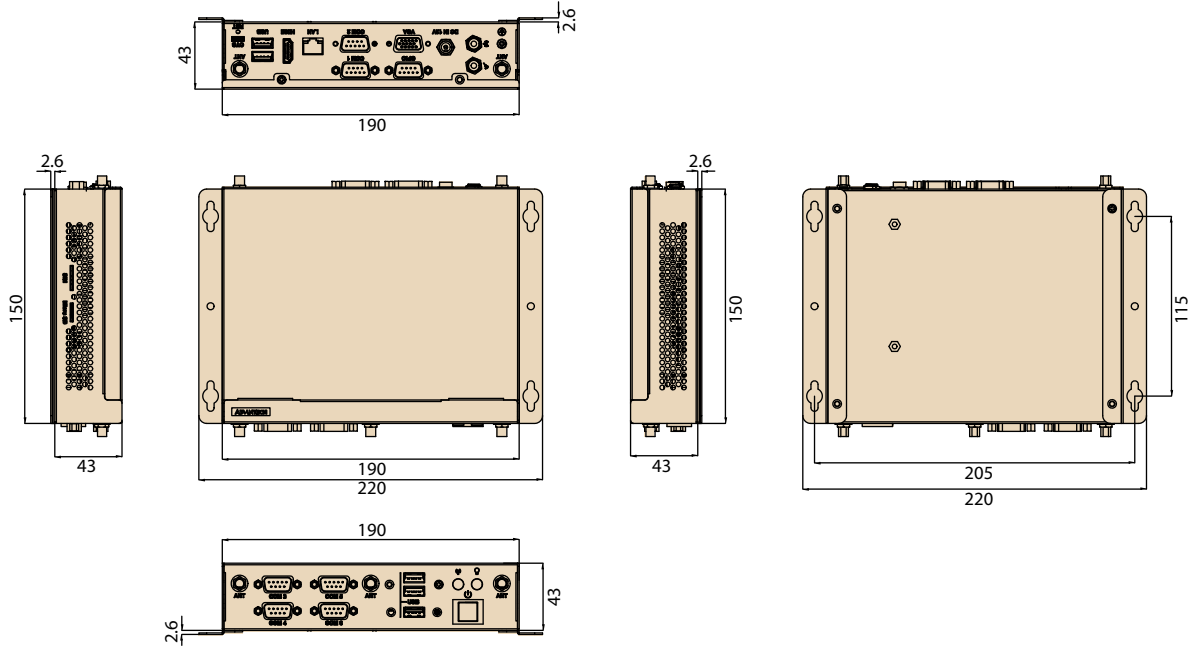
EPC-R4680是基于Arm平台的嵌入式工控机, 搭载Rockchip Arm Cortex-A17 RK3288 Quad core高性能处理器, 支持4K 显示及 4Kx2K多格式HDMI视频解码。此外, 配有M.2, Mini-PCIe 及支持WIFI的SIM卡卡槽、支持BT及4G连接, 6 USB 2.0, 6UART, 1 GbE 及 8 GPIO的丰富接口, 是KIOSK、贩卖机及数字标牌应用的理想解决方案。

## 规格

规格	Arm-based Box Computer		
处理器	CPU	Rockchip Arm® Cortex® A17 RK3288 Quad-core, up to 1.6 GHz	
内存	Technology	DDR3L 1333MHz	
	Capacity	On-board 2GB DDR3L	
	Flash	8GB eMMC NAND Flash for OS and Advantech boot loader 4MB SPI NOR Flash	
图形	HDMI	1 HDMI, 3840 x 2160 at 60Hz	
	VGA	1 VGA, up to 1920 x 1200 at 60Hz	
	H/W Video Codec	Encode: H.264 (BP@level4.0, MP, HP@level4.0), MVC and VP8 Decode: MPEG-1, MPEG-2, MPEG-4.H.263, H.264, AVS, VC-1, VP8, MVC, HEVC/H.265 decoder, 4k@60FPS	
以太网	Chipset	TI DP83867	
	Speed	1 10/100/1000 Mbps	
RTC		Yes	
看门狗计时器		Yes	
扩展	SD socket	1 x Micro SD slot	
	M.2	1 x M.2 2230 Key.E	
	mini PCIe	1 x Full size mini PCIe slot (USB signal only)	
	SIM	1 x SIM slot	
	SATA	-	
I/O	SATA Power	-	
	USB	5 x USB Type A, 1 x USB OTG	
	Audio	1 x line-out, 1 x mic-in	
	SPDIF	-	
	Serial Port		1 x 4-wire RS-232/485
			1 x 2-wire RS-232/Debug port, pin header selected by jumper
			4 x 4-wire RS-232
	SPI	1 x SPI by pin header	
	CAN	-	
	GPIO	8 x GPIO via D-SUB 9 (3.3V TTL level)	
	I <sup>2</sup> C	1 x I <sup>2</sup> C by pin header	
	System Bus	-	
	Touch	-	
	I/R	-	
LED	1 x Power LED, 1 x 4G LED		
Button	1 x Power button, 1 x Reset button		
电源	Power Supply Voltage	12V	
	Power Type	DC-in	
	Power Consumption	TBD	
环境	Operational Temperature	0 ~ 55 °C/-20 ~ 70 °C	
	Operating Humidity	5% ~ 95%	
物理特性	Dimensions (W x D)	190 x 150 x 43 mm	
开放系统		Linux Debian 9 & Android 6.0.1/8.1	
认证		CCC/CE/FCC Class B	

架构图

Unit: mm



订购信息

料号	CPU	内存	Flash	HDMI	LAN	Serial Port	USB Host	SD	Operating Temperature
EPC-R4680CQ-XAA1E	Rockchip RK3288 Quad Core 1.6GHz	2GB	8GB	1	1	1 x 4-wire RS-232/485 1 x 2-wire RS-232/Debug port 4 x 4-wire RS-232	5 x USB Host 1 x USB OTG	1	0 ~ 55 °C
EPC-R4680WQ-XAA1E	Rockchip RK3288K Quad Core 1.6GHz	2GB	8GB	1	1	1 x 4-wire RS-232/485 1 x 2-wire RS-232/Debug port 4 x 4-wire RS-232	5 x USB Host 1 x USB OTG	1	-20 ~ 70 °C

装箱单

料号	描述
EPC-R4680	EPC-R4680 Box computer

可选配件

料号	描述
96PSA-A36W12W7	ADP A/D 100-240V 36W 12V WO/PFC
170203183C	Power cord 3P Europe (WS-010+WS-083) 183 cm
170203180A	Power cord 3P UK 2.5A/3A 250 V 1.83 M
1700019146	Power Cord CCC 3P 10A 250V 183cm
EWM-W167M201E	802.11b/g/n (1R1T)+BT4.0 WLAN and BT combo module
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
968AD00081*	Qucetel EC20CEFA Mini-PCIe 4G module for China
1750006264	Antenna cable SMA(F)/MHF 15cm
1750007990-01	Antenna 4G/LTE full band L=11 cm 50 Ohm
SQF-MSDM1-8G-21C	SQF MICRO SD C10 MLC 8G (-25 ~ 85 °C)

\* Please contact us to get suitable cellular module for your region.