

EPC-R4710

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



- 采用 Rockchip RK3399 Arm Dual Cortex-A72 和 Quad Cortex-A53 1.8 GHz
- 板载 2GB LPDDR4 memory 和 16GB eMMC
- Dual HDMI(4K 60fps + 1080P)
- 支持 4K H.264/H.265 Video decoder
- 6 serial, 1 USB3.0, 4 USB2.0, 1 USB OTG, 2 GbE, 1 SPI, 1 I²C, 5 GPIO
- M.2 支持 WIFI/BT, mini-PCIe 支持 3G/4G
- 支持Linux和安卓操作系统



产品介绍

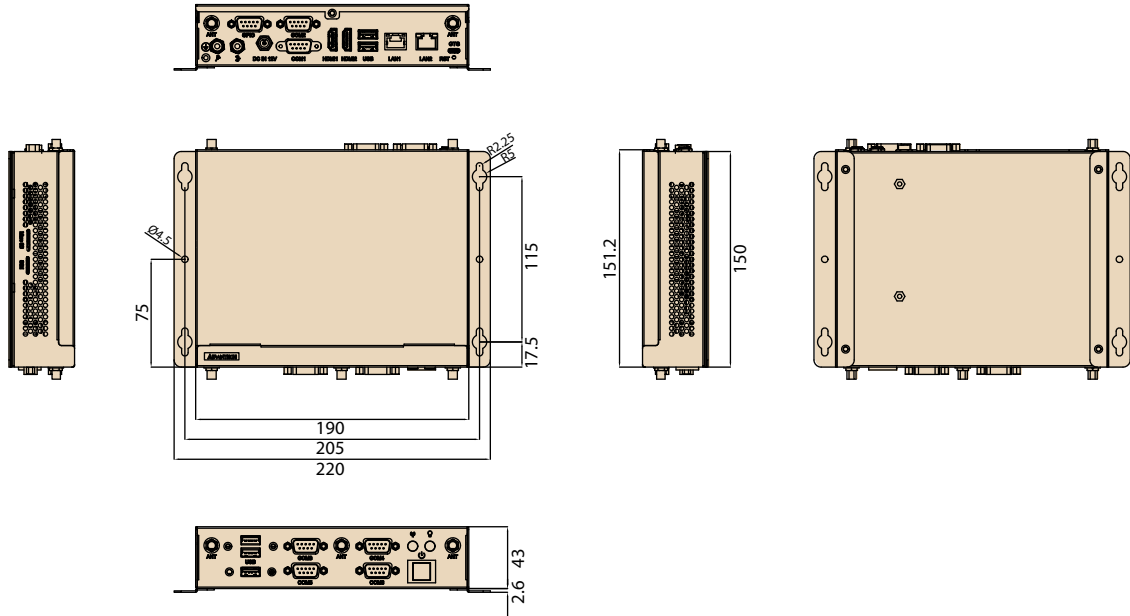
EPC-R4710是一款Arm-based的嵌入式工控机,由高性能Rockchip RK3399 Arm dual Cortex-A72和quad Cortex-A53高性能处理器驱动,支持HDMI的4K显示。它提供双HDMI显示和双GbE/6serials/6USB/5GPIO的丰富IO。EPC-R4710还具有Mini-PCIe、M.2和SIM卡插槽,用于集成Wi-Fi、蓝牙和3G/4G模块。该款嵌入式工控机可广泛应用于自助服务终端设备、POS机等应用。

规格

| | | |
|-------------------|-------------------------|--|
| Form Factor | | Arm-based Box Computer |
| Processor | CPU | Rockchip RK3399 Arm dual Cortex-A72 and quad Cortex-A53 1.8 GHz |
| | Technology | LPDDR4 1333MHz |
| Memory | Capacity | On-board LPDDR4 2GB |
| | Flash | 16GB of eMMC NAND Flash for OS and Advantech's boot loader |
| | HDMI | 2, upto 3840x2160@60Hz |
| Graphics | eDP | 1, max 2.7Gbps (inside) |
| | 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 |
| | Chipset | RTL8211FSI |
| Ethernet | Speed | 2 x 10/100/1000 Mbps |
| | RTC | Yes (Max timeout: 21s, Default timeout: 10s) |
| WatchDog Timer | | Yes |
| Expansion | SD socket | 1 x Micro SD slot |
| | M.2 | 1 x M.2 2230 Key E slot, w/SIO*UART*PCIe*USB |
| | 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 RS232/debug (default debug mode) 3 RS232 w/2wire 2 RS232/485 w/4wires |
| | SPI | 1 x SPI by pin header inside |
| | CAN | - |
| | GPIO | 5 x GPIO via D-SUB 9 (3.3V TTL level) |
| | I ² C | 1 x I ² C by pin header in side |
| | System Bus | - |
| | Touch | - |
| | I/R | - |
| | LED | 1 Green LED for system power 1 Orange LED for WLAN |
| | Button | 1 x Power button, 1 x Reset button |
| | Power | Power Supply Voltage |
| Power Type | | DC-in |
| Power Consumption | | Boost 15W@12V |
| Environment | Operational Temperature | 0 ~ 50 °C/-20 ~ 70 °C |
| | Operating Humidity | 5% ~ 95% |
| Mechanical | Dimensions (W x D) | 190 x 150 x 43 mm |
| Operating System | | Android/Linux |
| Certifications | | CCC/CE/FCC/BSMI Class B |

架构图

Unit: mm



订货信息

| Part Number | CPU | Memory | Flash | HDMI | LAN | Serial Port | USB Host | SD | Operating Temperature |
|---------------------|------------------|--------|-------|------|-----|-------------|----------|----|-----------------------|
| EPC-R4710NO-XAA1E | Rockchip RK3399 | 2GB | 16GB | 2 | 2 | 6 | 6 | 1 | 0 ~ 50 °C |
| EPC-R4710IO-XAA1E | Rockchip RK3399K | 2GB | 16GB | 2 | 2 | 6 | 6 | 1 | -20 ~ 70 °C |
| EPC-R4710NO-XAA1BE* | Rockchip RK3399 | 2GB | 16GB | 2 | 2 | 6 | 6 | 1 | 0 ~ 50 °C |
| EPC-R4710IO-XAA1BE* | Rockchip RK3399K | 2GB | 16GB | 2 | 2 | 6 | 6 | 1 | -20 ~ 70 °C |

*this sku has BSMI certification

装箱单

| Part Number | Description |
|----------------|-------------------------------|
| EPC-R4710 | EPC-R4710 Box computer |
| 1960083394N001 | VESA MOUNT BKT 2U2X EPC-R4710 |

可选配件

| Port Number | Description |
|------------------|---|
| 96PSA-A36W12W7-5 | ADP A/D 100-240V 36W 12V C6 LOCK DC JACK 62368 |
| 170203183C | Power cord 3P Europe (WS-010+WS-083) 183 cm |
| 170203180A | Power cord 3P UK 2.5A/3A 250 V 1.83 M |
| 1700001524 | Power cord 3P UL 180cm |
| 1700008921 | Power Cord 3P PSE 183cm |
| 1700019146 | Power Cord CCC 3P 10A 250V 183cm |
| EWM-W159M201E | IEEE 802.11a/b/g/n/ac 2T2R and BT 5.0 Module (M.2 2230) |
| 1750008800-01 | Antenna Cable R/P SMA (M) to MHF4, 100mm |
| 1750008717-01 | Dipole Ant. D.B 2.4/5G WIFI 3dBi SMA/M-R BLK |
| 968AD00479* | 4G module LTE Cat 4 for China |
| 1750006264 | Antenna cable SMA(F)/MHF 15cm |
| 1750008303-01 | Antenna AN0727-64SP6BSM |
| SQF-MSDM1-8G-21C | SQF MICRO SD C10 MLC 8G (-25 ~ 85 °C) |

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

扩展 I/O

