

EPC-R4760

Qualcomm APQ-8016 Cortex-A53 ARM Based Box Computer

NEW



QUALCOMM CE FCC



Features

- Qualcomm ARM® Cortex®-A53 APQ8016 Quad core up to 1.2 GHz
- Onboard 1GB/2GB LPDDR3 memory and 8GB eMMC
- 1 HDMI, 1 RS-232/422/485, 1 GbE, 4 USB 2.0, 8 GPIO
- Highly integrated on-board wireless connectivity - Wi-Fi, BT, and GNSS
- Connectivity expansion capability - M.2, mini-PCIe
- Wide voltage range DC power input
- Support Android, Linux and Debian

Introduction

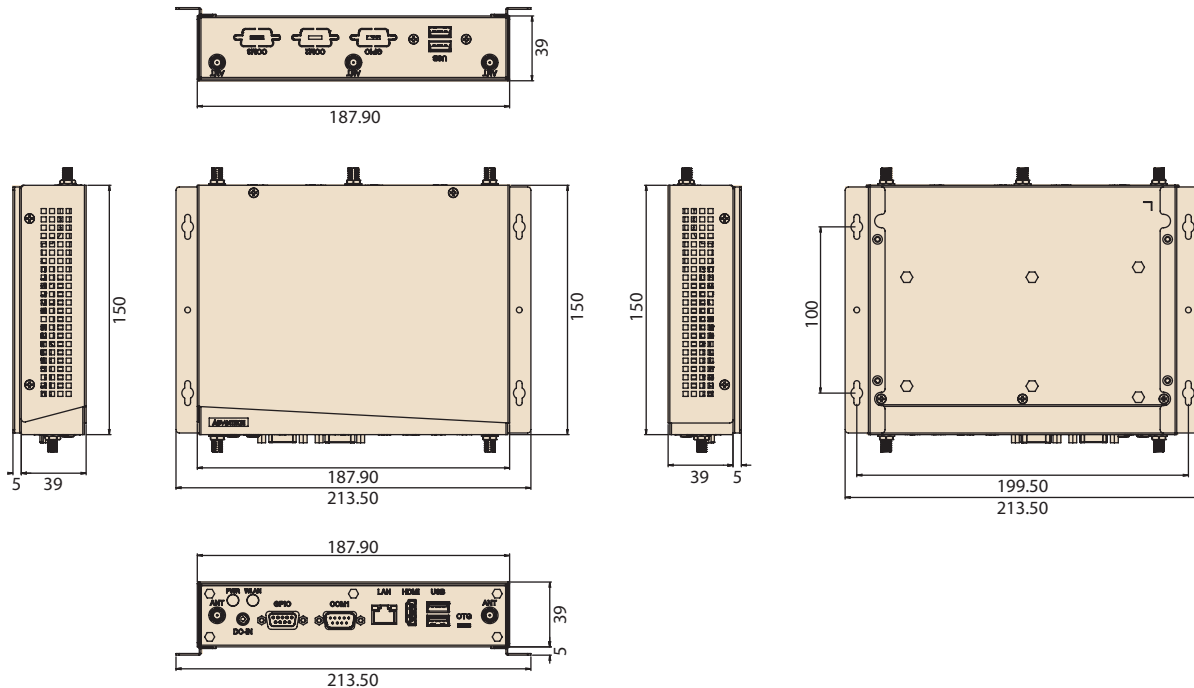
EPC-R4760 is an ARM based Box Computer powered by Qualcomm ARM® Cortex®-A53 APQ8016 processor that supports full HD display and intergrades on board wireless solution – Wi-Fi, BT and GPS. EPC-R4760 also features in mini PCIe, M.2, and SIM card slots for expanding connectivity capability, like 3G, 4G/LTE modules. Equipped with complete Android, Linux and Win10 IoT core BSPs, this box computer enables customers to easily develop unique application on specific OS.

Specifications

| | | |
|------------------|-------------------------|--|
| Form Factor | | ARM-based Box Computer |
| Processor System | CPU Technology | Quad-core ARM® Cortex® A53 APQ8016 |
| | Capacity | LPDDR3 1066MHz |
| | Flash | On-board 1GB / 2GB LPDDR3 |
| | | 8GB |
| Graphics | HDMI | 1 HDMI, 1920 x 1080 at 60Hz |
| | H/W Video Codec | Encode: 30 fps 720p (H.264 Baseline/MPEG-4) 30 fps 1080p (MPEG-4/H.264/VP8/H.263) Decode: 30 fps 1080p (MPEG-4/H.264/H.263/DivX/MPEG2/VC1/Soreson/VP8) |
| Ethernet | Chipset | Microchip LAN7500 |
| | Speed | 1 10/100/1000 Mbps |
| Connectivity | Wi-Fi | WCN3620 802.11 b/g/n 2.4GHz |
| | Bluetooth | WCN3620 Bluetooth 4.1 |
| | GNSS | WGR7640 |
| RTC | | Yes |
| WatchDog Timer | | Yes |
| Expansion | SD socket | 1 x SD socket |
| | M.2 | 1 x M.2 2230 Key.E |
| | mini PCIe | 1 x Full size mini PCIe slot (USB signal only) |
| | SIM | 1 x mini-SIM slot |
| | | |
| I/O | SATA | - |
| | SATA Power | - |
| | USB | 4 x USB 2.0 Type A / 1 micro USB client |
| | Audio | - |
| | SPDIF | - |
| | Serial Port | 1 x 4 wires RS-232/422/485 via D-SUB 9 |
| | SPI | - |
| | CAN | - |
| | GPIO | 8 x GPIO via D-SUB 9 (3.3V TTL level) |
| | I²C | - |
| | System Bus | - |
| | Touch | - |
| | I/R | - |
| | LED | 1 x Power LED, 1 x Wi-Fi&BT LED |
| | Button | - |
| Power | Power Supply Voltage | 9-36V |
| | Power Type | DC-in |
| | Power Consumption | 6.2W |
| Environment | Operational Temperature | 0 ~ 40° C |
| | Operating Humidity | 5% ~ 95% |
| Mechanical | Dimensions (W x D) | 188 x 150 x 39 mm |
| Operating System | | Android / Yocto Linux / Debian |
| Certifications | | CE/RED/FCC/IC/SRRC/TELEC |

Dimensions

Unit: mm



Ordering Information

| Part Number | CPU | Memory | Flash | HDMI | LAN | Serial Port | USB Host | SD | Operating Temperature |
|-------------------|--------------------------------------|--------|-------|------|-----|----------------------------|----------|----|-----------------------|
| EPC-R4760CQ-QNA1E | Qualcomm APQ8016 Quad Core 1.2GHz | 1GB | 8GB | 1 | 1 | 1 x 4 wires RS-232/422/485 | 4 | 1 | 0 ~ 40 °C |
| EPC-R4760CQ-WNA1E | Qualcomm APQ8016 Quad Core 1.2GHz | 2GB | 8GB | 1 | 1 | 1 x 4 wires RS-232/422/485 | 4 | 1 | 0 ~ 40 °C |

Packing List

| Part Number | Description |
|-------------|------------------------|
| EPC-R4760 | EPC-R4760 Box computer |

Optional Accessories

| Port Number | Description |
|----------------|---|
| 96PSA-A36W12R1 | Adapter 100-240 36W 12V 3A 9NA0362308 |
| 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 10A 125 V 180 cm |
| 1700026931-01 | Debug cable |
| ROM-ED20-00A1E | Debug adapter board |
| 1700008921 | Power Cord 3P PSE 183cm |