EdgeBox-RPI

Rugged Fanless Edge System with Raspberry Pi Compute Module 3+(CM3+), proven,out-of-the-box controller for industry environment.It can be used to connect the field networkswith cloud or IoT applications.

Overview

The EdgeBox-RPI is fitted with the Rasyberry Pi Cm3+, it supports 4 cores ARM A53 and most industry protocols. These features make the EdgeBox-RPI perfect for industry ,vehicle and edge applications.The EdgeBox-RPI's CANbus and rugged design features (anti-dust measures, aluminum chassis, wide operating temperature range) mean it can support industrial automation and in-vehicle applications.With its powerful processor and cost-effective design, this is one Edge platform you'll be able to install anywhere.
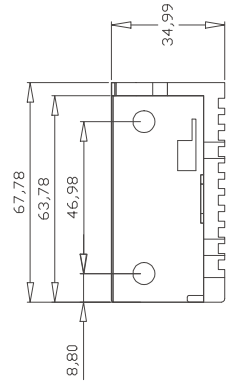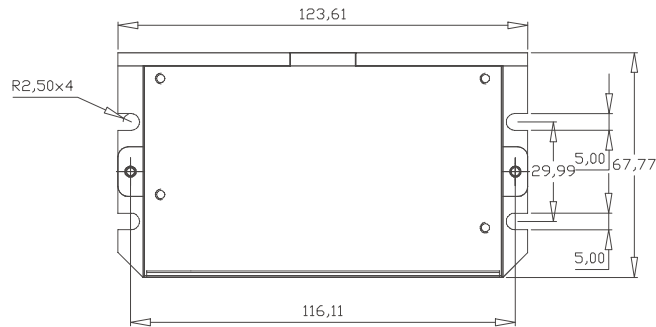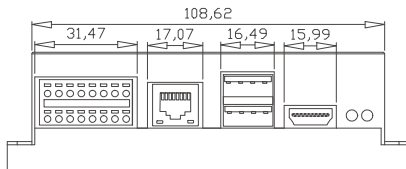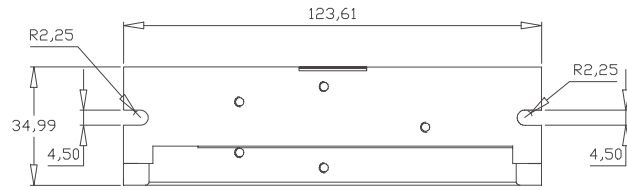
Features

- Rasyberry Pi CM3+ Based
- State-of-the-art Aluminium chassis for Harsh environment
- Integrated passive heatsink
- Built-in mini PCIe socket for RF module, such as 4G, WI-FI,Bluetooth, lora or zigbee
- SMA antenna holes x2
- Modbus over RS485 or Ethernet support
- CAN-FD inteface up to 5 Mbit/s for distributed I/O or motion control
- Security chip ATECC608A
- Hardware Watchdog
- RTC with Super Capacitor
- Wide power supply from 9 to 36V DC
- 35mm DIN Rail support

Note: Product images are for illustration purposes only and maybe don't match what is currently being shipped.

Dimension Drawing

Specifications

CPU

- Broadcom BCM2837B0,Quad-core A53 running up to 1200 MHZ

Interfaces

- 1 × RJ45 ethernet port support 10/100M
- 2 x USB 2.0 Port
- 1 x HDMI
- 2× CAN controllers supporting CAN FD protocol
- 1 x isolated RS485
- 1 x RS232
- 1 x mini-PCIe socket with sim card support
- Wide power supply support 9-36V DC

Graphics and multimedia

- 3D GPU: Supports OpenGL ES 2.0, 1.1; H.264,MPEG4 decode(1080p30);H.264 encode(1080p30)

Order Information

Entry level configuration P/N: EdgeBox-A-8G
Default configDuration P/N: EdgeBox-A-8G-CAN-UART-CRYPTO