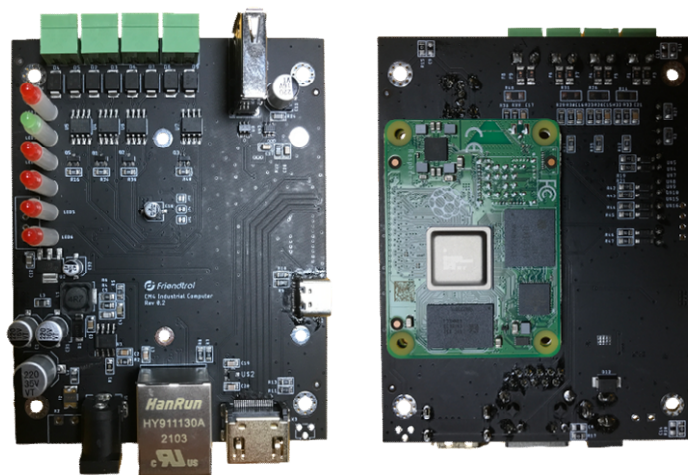# CTR-3304-PCBA

Industrial Level Raspberry Pi4 Expansion Board

Package Content

1. Industrial Level Extension Board
2. Raspberry Pi CM4 Module (optional)
3. 12V1A power adapter (optional)
4. Enclosure (optional)

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Features
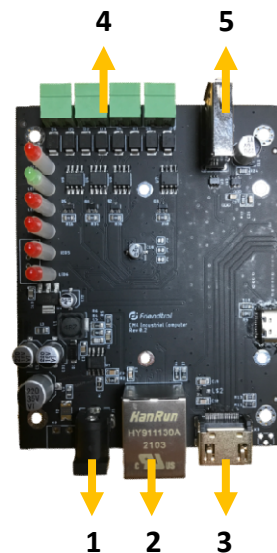
◆ Industrial level module providing Raspberry Pi 4-ready solutions for development

◆ The most cost effective solution for Edge Computing & entry level AI

◆ Provide 4 sets of RS-485 for industrial applications

◆ Support wide input voltage range 9-24V

◆ Built-in Friendtrol's own IoT platform for advanced integration (optional)

SPECIFICATION & I/O INTERFACE

CPU	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit
CPU Frequency	1.5GHz
Memory	4GB LPDDR4-3200 SDRAM
Storage	eMMC 32GB
Ethernet	1x GbE
USB	1x USB2.0 Type A
HDMI	1x HDMI2.0
RS-485	4x 2pins-phoenix terminal block

Others

Power Supply	9-24V DC
Power Consumption	6W
Operating Temperature	-20°C to 75°C (4°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
PCB Dimension	98x76 mm (WxD)

1) **Power Input**
Connect to power supply

2) **Ethernet**
Connect to LAN

3) **HDMI**
Connect to HDMI display

4) **COM Port**
Connect to device with RS-485 port

5) **USB**
Connect to USB device