

## Ci-RR30 S908 RIO Bus HUB Repeater



- Support 3 S908 RIO bus, according to S908 RIO Protocol
- 3 Ports HUB function, support star link and extend the S908 RIO Fieldbus transmission distance
- Support Dial switch for setting communication rate(all ports baud rate must be same)
- Support 3Chs photon coupled isolation ports, Isolated Voltage 1000V, and 4000V Anti-thunder protection
- Support 4 dual colors LED Indicator, Fieldbus ports error Relay alarm output
- DC (9~36V) dual redundant power input, With DC1500V voltage isolation and reverse connect protection
- IP40 protection, Metal case (wave grain aluminum reinforce case option), 35mmDIN-Rail Installation
- Operating Temperature: -40°C to 75°C suitable to various Industrial work situation

### Summary

This series is designed for industrial grade S908 RIO HUB Repeater, support S908 RIO protocol, Support 3 Chs Fieldbus serial ports data communication, Hub repeater and star link. It can extend the S908 RIO Fieldbus transmission distance, change fieldbus diagram, at same time, it has photon coupled isolation and Anti signal interference functions, Baud rate can be set via DIP. The product is Industrial grad designed, Casing: IP40 protection, wave grain aluminum reinforce case option, DIN rail mounting, DC(9~36V) power input, support Fieldbus ports error Relay alarm output, dual redundant power input and isolation protection. -40~75°C Operating Temperature, can meet various Industrial situation.

### Specification

#### Bus data interface

- Interface type: BNC-F coaxial cable interface, conform to S908 RIO protocol standard
- Support S908 RIO bus standard
- Baud Rates:1.544Mbps
- Signal Delay (electrical interface): ≤6Bit
- Isolated voltage 1000V,4000V Anti-thunder protection
- Resistor: without terminal resistor, connect external when necessary

#### Power

- DC (9~36V) dual redundant power input, industrial standard voltage DC24V, consumption is less than 4W, With DC1500V voltage isolation and reverse connect protection, adopt 5 cores 5.08mm industrial terminal port (please use industrial standard power, otherwise it will occur unit error or damage).

#### Protection

- Relay: Fieldbus ports error Relay alarm output
- Contact rating: 1A @24V DC, Industrial Terminal port

#### Mechanical

- Dimensions (HxDxW): 136mm×104.8mm×52.8mm
- Weight:800g
- Casing: IP40 protection, wave grain aluminum reinforce case option
- Installation: Wall mounting or DIN rail mounting

#### Environmental

- Operating Temperature:-40 °C ~75 °C (-40 °C ~85 °C optional)
- Storage Temperature: -40°C~85°C
- Ambient Relative Humidity: 5%~95%(non-condensing)

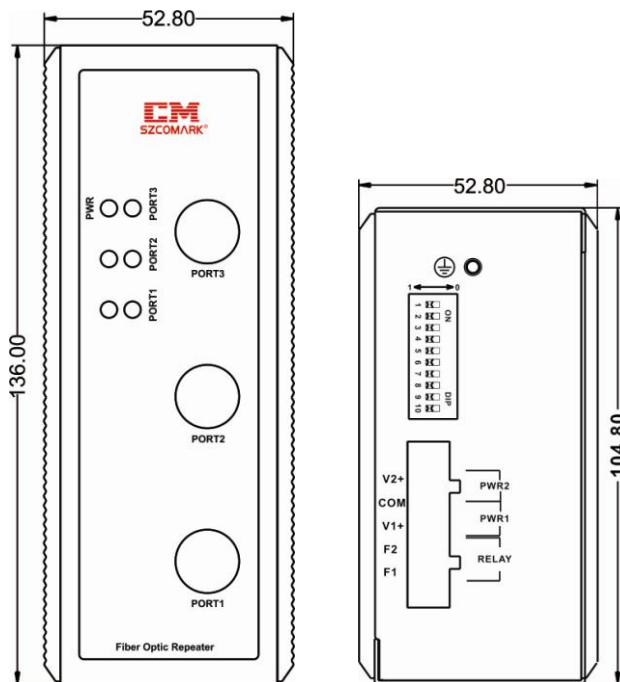
#### Warranty

- Warranty Period: 5 years

### Certification

- IEC61000-4-2(ESD): Power ±4KV Contact, ±15KV Air; Relay ±2KV Contact, ±15KV Air; Data Cable ±15KV Air
- IEC61000-4-4(EFT):Power ±1KV, Data Cable ±1KV
- IEC61000-4-5(Surge):Power ±2KV CM/ ±1KV DM, Relay±2KV CM/ ±1KV DM
- IEC60068-2-27(Shock)
- IEC60068-2-32(Free Fall)
- IEC61000-6-2(General Industrial Standard)
- EN50121-4 (rail transit)

## Dimensions (mm)



## Models

| Part No. | Product series | Description   |
|----------|----------------|---|
| Ci-RR30  | 3*copper       | S908 RIO HUB repeater, 3 Chs S908 RIO Ports, 1.544Mbps baud rate. |

## Package List

- S908 RIO HUB Repeater (with industrial terminal block for power equipment)
- Product specification
- Product warranty card