

SCI-RN88

Remote Control IO



Features

- Programmable 8 x digital input and 8 x analog input
- I/O interface with industrial grade protection
- RS-485 industrial connectivity
- Wide operating temperature -20 ~ 70°C

Specifications

| System | |
|------------------------------|---|
| CPU/MCU | ARM Cortex M4 |
| Memory | -- |
| Storage | -- |
| Real time clock | -- |
| Indicators | 1 x PWR DI/DO 1 x RS-485 Tx/Rx |
| Cellular | -- |
| Wireless LAN | -- |
| Operating System | -- |
| Support Protocol | -- |
| Power Supply | |
| Power Requirement | 12/24 VDC |
| Power Consumption | TBD |
| MTBF (Hours) | -- |
| Environmental and Mechanical | |
| Dimension | 106 x 91 x 30 mm (4.17" x 3.58" x 1.18") |
| Weight | 0.31 kg |
| Mouting/Installation | Din Rail |
| Operating Temperature | -20 ~ 70 °C (-4 ~ 158 °F) |
| Storage Temperature | -40 ~ 85 °C (-40 ~ 176 °F) |
| Operating Humidity | 5% ~ 95% relative humidity, non-condensing |
| Certification | |
| Regulations | CE, FCC |
| Carrier | Planning |

| Interface | |
|-----------------|--|
| Serial Port | 1 x RS-485 (2W, 3W), Terminal Block 3pin |
| CAN Bus | -- |
| Ethernet | -- |
| USB | -- |
| ADC | -- |
| DI/DO | 8 x Digital input |
| AI/AO | 8 x Analog input |
| Display | -- |
| Power Connector | 1 x Terminal Block 3pin |
| Debug Port | -- |
| Expansion Slot | -- |
| Other Interface | -- |

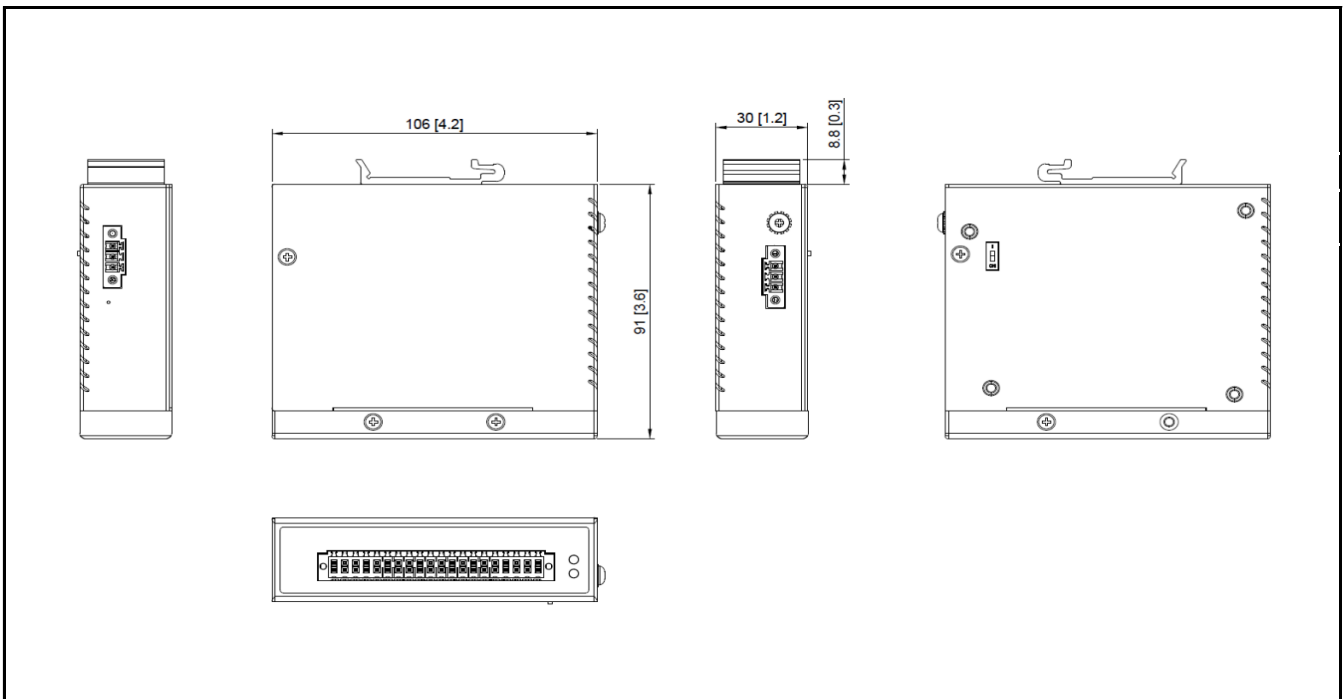
| Digital Input | |
|--------------------|---|
| Connector | Terminal Block (24 pins) |
| Number of Channels | 8 channels |
| Input types | IEC61131-2 TYPE 3 |
| Input Filter time | Input delay adjustable from 0 to 40 ms: disabled, 0.3 ms, 3 ms, 10 ms, 20 ms, 40 ms |
| Input mode | DI or event counter |

| Analog Input | |
|--------------------|-------------------------------------|
| Connector | Terminal Block (8pins) |
| Number of Channels | 8 channels |
| Voltage Input | ±1 V, ±5 V, ±10 V, ±100 mV, ±500 mV |
| Current Input | ±20 mA, 0 ~ 20 mA, 4 ~ 20 mA |
| Resolution | 16 bits |
| Sampling Rates | 8 Hz |
| Accuracy | ±0.1% of FSR |

| | |
|-------------------------------|--|
| Input counter frequency | 20 Hz |
| Low Input Voltage | < 5 VDC |
| High Input Voltage | > 11 VDC |
| Sensor connection | 2/3 Wire |
| External DI power supply | Rated voltage: 24 VDC Range: 9.6 ~ 31.2 VDC |
| Reverse polarity protection | No |
| Short-circuit proof | Yes |
| Individual channel diagnostic | Yes |

| | |
|-----------------------------------|--|
| Channel Independent Configuration | Yes |
| Input Impedance | Voltage: > 100 K Ω Current: 120 Ω |
| Overvoltage Protection | Yes |
| Overcurrent Protection | Yes |

Dimension



Ordering Information

Packing List

- 1 x DIN Mounting Kits
- 3 x Terminal Block

Part Number

2SCI-RN88-01 Remote control I/O, 8 x DI, 8 x AI, 1 x serial