H/W Specifications

Network Interface
- Type: 1 x 10/100Mbps, RJ45 connector
- Protection: 1.5KV magnetic isolation

RS-485 Interface
- Isolation Protection: 2500Vrms
- Direction Control: Auto, by hardware
- Connector: Terminal block
- Baud Rate: 1.2~460.8Kbps
- Parity: None, Even, Odd, Mark, Space
- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 1.5, 2

Digital Input
- No. of Channels: 16
- Photo Isolation (AC in): 2500Vrms
- Logical High: 5~24VDC
- Logical Low: 0~1.5VDC
- LED Indicators: Yes

Relay Output
- No. of Channels: 8
- Contact Rating: 30VDC@1A or 125VAC@0.5A
- LED Indicators: Yes

Maxim 1-Wire Interface
- No. of Channels: 3
- Connector: 3-pin header (VDD, DQ, GND)

General
- CPU: 32-bit, Cortex M3 series
- Temperature Sensor: Maxim DS18B20 (optional accessory 91-6DS18-001)
- Temperature Range: -55°C~125°C
- Accuracy: +/-0.5°C
- Real Time Clock: Manual or NTP (Network Time Protocol) setup and sync.
- Power Input: 9~48VDC
- Power Consumption: 220mA@12VDC max. and 55mA@12VDC min.
- Dimensions (W x H x D): 182 x 118 x 35.82mm
- Operating Temperature: 0~70°C
- Storage Temperature: -20~85°C

Access Control Guidelines

Default Access Ports
- Telnet Console Port: 5001
- HTTP Port: 5003

Access Through HTTP GET / POST Protocols
- REST Web API

Operation Mode
- MQTT auto data and event publish and log
- Stand-alone alarm relay control
- C / C++ programmable controller (RIO-2010PG)

Ordering Information

- RIO-2010BM
  BM Remote Digital I/O Module
- BL-F10M9-2 (91-0P9M9-001)
  Console Cable (10Pin Header to DB9 Male, 20cm)
- DS18B20 (91-6DS18-001)
  Programmable Resolution 1-wire Digital Thermometer
- PWR-12V-1A (31-62100-000)
  110~240VAC to 12VDC 1A Power Adapter