

2 BUS Adapter & Network Adapter

CN-8011 Modbus-RTU Bus Adapter

1 Module Overview

CN-8011 Modbus-RTU bus adapter supports standard Modbus-RTU communication, it supports function code of 01/02/03/04/05/06/15/16/23, and this device could monitor the IO module communication state in real time.

2 Technical Parameter

Hardware Parameter	
System Power	Nominal:24VDC, Range: 20-30VDC Current: Max.2A@24VDC Protection: Reverse Protection, Overcurrent Protection
Power Consumption	30mA@24VDC
Internal Bus Supply Current	Max: 2.5A@5VDC
Isolation	System Power to Field Power Isolation
Power Supply	Nominal:24VDC, Range:20.4-28.8VDC
Field Power Current	Max. DC 8A
IO Modules Supported	32 pcs
Wiring	Max.: AWG 18 Min.: AWG 24
Installation	35mm DIN-Rail
Size	115*51.5*75mm
Weight	130g
Environment Specification	
Operating Temperature of Horizontal Installation	-35°C~70°C
Operating Temperature of Vertical Installation	-35°C~60°C
Relative Humidity	< 95%RH (No Condensation)
Storage Temperature	-40°C~85°C
Storage Humidity	< 95%RH (No Condensation)
Manufacturing Test Temperature	-40°C~75°C
Ingress Protection Rating	IP20
Modbus-RTU Parameter	
Protocol	Modbus-RTU/ASCII
Function Code	01 / 02 / 03 / 04 / 05 / 06 / 15 / 16 / 23
Baud Rate	2400~115200bps
Station No.	1~63(Dial-code switch configuration),64~247(Software configuration)
Interface	5 Pin screw terminal
Data Bits	7, 8
Parity Checking	N/A, Even, ODD
Stop Bit	1, 2
Max. Bus Length	1200m (RS485, 2400 baud rate)
Terminal resistance and offset resistance	DIP switch configuration



THERE IS A RISK OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.

Disconnect all devices from power, including connected devices, before removing any covers, or installing or removing any accessories, hardware, cables, or wires, except in specific circumstances specified in the appropriate hardware guidelines for this device.

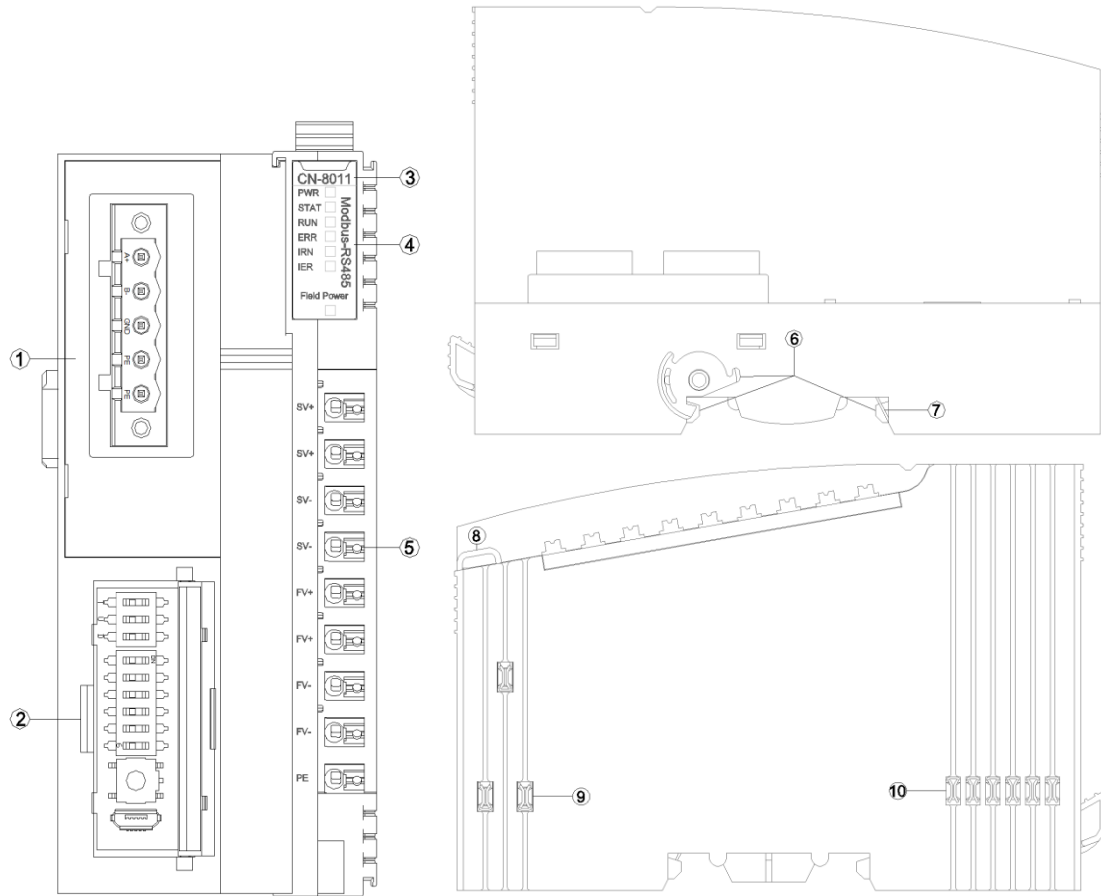
Always use a voltage sensing device with an appropriate rating to detect a power outage at the appropriate place and time, as instructed.

Replace and tighten all covers, accessories, hardware, cables, and wires, and confirm that the ground connection is correct before powering on the device.

When operating this equipment and related products, the specified voltage must be used.

Failure to follow instructions specified by the manufacturer may result in serious consequences such as death, personal injury, or damage to equipment since the protection provided by the equipment may be impaired.

3 Hardware Interface



- ① RS485 port
- ② Config Interface
- ③ Module type
- ④ LED Indicator
- ⑤ Wiring Terminal
- ⑥ Buckle
- ⑦ Grounding Spring Sheet
- ⑧ Fixed Wiring Harness
- ⑨ Field Power
- ⑩ Internal Bus