

CN-8032 Profinet Network Adapter

1 The module overview

The CN-8032 Profinet network adapter supports standard Profinet IO Device Communication. The adapter supports MRP media redundancy, and it could realize ring network. And it supports RT/IRT real-time and synchronous communication mode, with its RT real-time communication minimum period of 1ms and IRT synchronous communication minimum period of 250us. The adapter supports a maximum input of 1440 bytes, a maximum output of 1440 bytes, and the number of the extended IO modules it supports is 32.

2 Technical Parameters

Hardware Specification	
System Power	Nominal: 24VDC, Range: 20-30VDC Current: Max.2A@24VDC Protection: Reverse Protection, Overcurrent Protection
Power Consumption	110mA@24VDC
Internal BUS Supply Current	Max:2A@5VDC
Isolation	System Power to Field Power Isolation
Field Power	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
Profinet Parameter	
Protocol	Profinet IO Device
I/O Data Size	Input Max 1440 Bytes, Output Max 1440 Bytes
RT	Supported, Min.1ms
IRT	Supported, Min.250us
MRP	Supported
MRPD	Not supported
Network Interface	2*RJ45
Speed	10/100Mbps, MDI/MIDX, Full-Duplex
Max bus distance	100m
Profinet Device Name	DIP switch setting or Profinet monitor modifying

Notice: The adapter does not support the MRPD (Media Redundancy for Planned Duplication) function, so the MRP and IRT functions cannot be used simultaneously.



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.

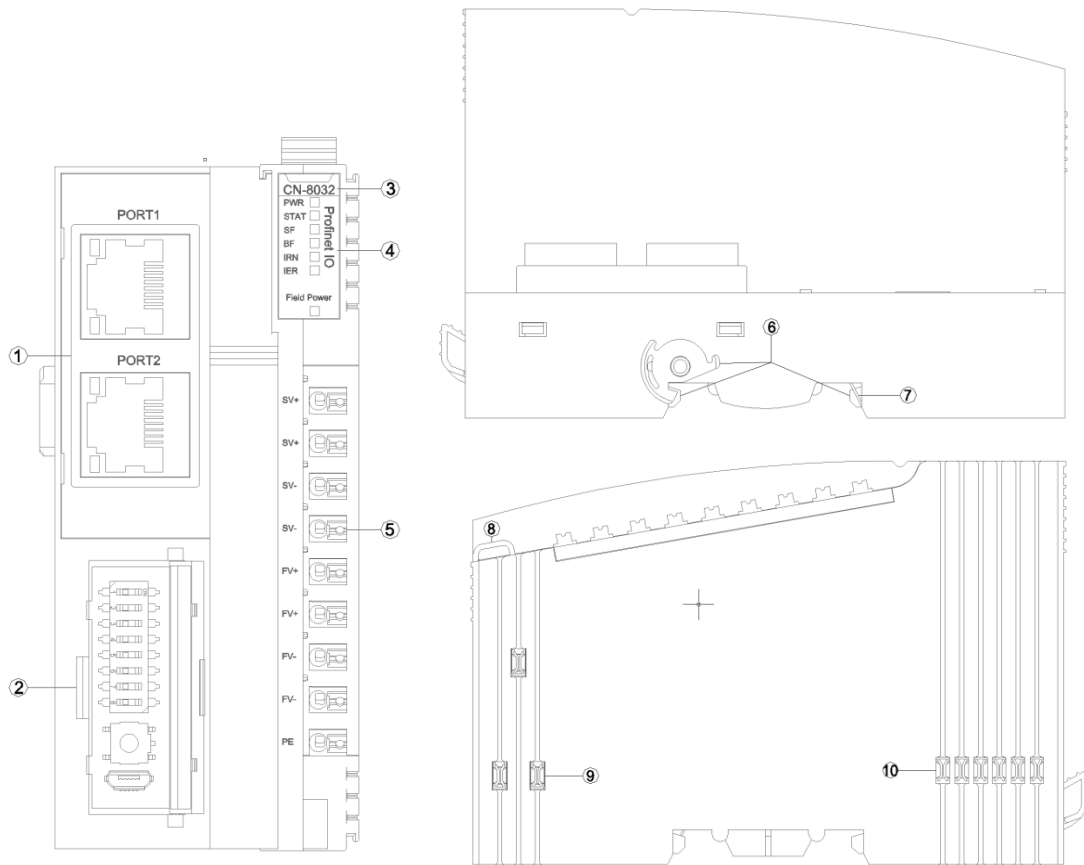
Always use a voltage sensing device with an appropriate rating to detect a power outage at the appropriate place and time, as instructed.

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 Network Interface
- 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