



I-8172W

2-port FRnet module

The ICPDAS WinCon-8000, WP-8000, LinCon-8000, LP-8000, I-8000 and iP-8000 series modules are all Programmable Automation Controller (PAC) that use an I-8172W FRnet communication module to implement an FRnet network. The I-8172W is an isolated FRnet communication controllers. The I-8172W has two FRnet ports, each FRnet port can control a maximum of 16 communication nodes, numbered from 0 to 15. Each single node of the remote I/O module can control a maximum of 16 DI/DO channels. In other words, each FRnet port can control a maximum of 128 DI and 128 DO channels.

Applications

- Industrial Automation
- Remote I/O control
- Building Automation
- Parking Lot Management

Features

- Reduced Wiring two-wire cabling
- Innovative token-stream communication technology
- Real-time I/O synchronization capabilities
- Fixed cyclic scan time for deterministic control
- High speed distributed I/O control capabilities
- Memory-mapping I/O programming
- Easily programmable
- No software overhead for protocol processing

Specifications

Number of ports	2
2-wire cabling	Belden 8941 (2P twisted-pair cable), When different cables are used, the transmission distance may change
Transfer distance	Max. 400m for speed 250Kbps (Default); Max. 100m for speed 1Mbps
Transfer speed	2.88ms for speed 250Kbps (Default) 0.72ms for speed 1Mbps
Connection	Removable 5-Pin Terminal Block
Intra-module Isolation, Field to Logic	3000VDC
LED Display	
1 LED as Power Indicator	
2 LEDs as Communication Run Indicators	
Power	
Power Consumption	0.12A @ 5V = 6W ,+/- 5% For Hardware version 1.2
Environment	
Operating temperature	-25 to 75°C
Storage temperature	-40 to 85°C
Humidity	5 to 95%, non-condensing
Dimensions	
30mm x 102mm x 115mm (W x L x H)	

Ordering information

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Accessories

FR-2053/2053T	16-channel Isolated Sink Digital Input Module
FR-2057/2057T	16-channel Isolated Sink Digital Output Module
FR-2053TA	16-channel Isolated Sink/Source Digital Input Module
FR-2057TA	16-channel Isolated Source Digital Output Module
FR-2057TW	16-channel Sink Type Isolated High Current Output Module
FR-2054T	8-Channel Digital Output and 8-Channel Digital Input Module
FR-2152T	8-channel Isolated Digital Input with 12-pin Screw Terminal Connector
FR-2156T	8-channel Isolated Digital Output with 12-pin Screw Terminal Connector