



I-9174

4-port FRnet module

■ Introduction

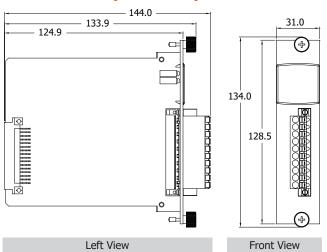
The I-9174 is an isolated FRnet controller for WP-9000-CE7 and XP-9000-WES7 Programmable Automation Controller (PAC) to implement an FRnet network. The I-9174 has four FRnet ports, each FRnet port can control a maximum of 16 communication nodes, numbered from 0 to 15. Each single node of the remote I/O 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.

■ System Specifications

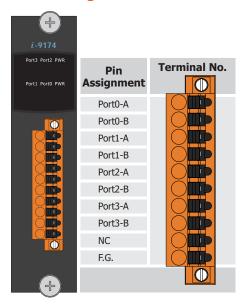
Interface		
FRnet Ports	4	
Transfer Distance	Max. 400 m for speed 250 Kbps (Default); Max. 100 m for speed 1 Mbps	
Cyclic Scan Time	2.88 ms for speed 250 Kbps (Default) 0.72 ms for speed 1 Mbps	
Wire Cable	Belden 8941 (2P twisted-pair cable), When different cables are used, the transmission distance may change	
Connection	Removable 10-Pin Terminal Block	
LED Indicators/Display		
Power	2 LEDs	
FRnet Communication	4 LEDs	
Isolation		
Intra-module Isolation, Field-to-Logic	3000 Vrms	
EMS Protection		
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal ±8 kV Air for Random Point	
Power		
Power Consumption	$0.12 \text{ A} \ @ 5 \text{ V} = 0.6 \text{ W}, \pm 5\%$ For Hardware version 1.2	
Mechanical		
Dimensions (W \times L \times H)	31 mm x 144 mm x 134 mm	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-40 ~ +85 °C	
Humidity	10 ~ 90% RH, Non-condensing	

■ Innovative token-stream communication technology ■ High-speed Distributed I/O Control ■ Real-time I/O Synchronization Capabilities ■ Fixed Cyclic Scan Time for Deterministic Control ■ Easily Memory-mapping I/O Programming ■ No Software Overhead for Data Transfers ■ Easy to Wiring (2-wire Cabling)

■ Dimensions (Units: mm)



■ Pin Assignments



■ Ordering Information

I-9174 CR	4-port FRnet Module (RoHS)

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