PACSystems SafetyNet IO
The subtitle

PACSystems SafetyNet IO

Enhance the safety and reliability of your systems with Emerson's Safety IO, an integral component of our PACSystems SafetyNet solution. With a total IO count of 2000 per system, this safety IO is designed for seamless integration into a cost-effective general safety solution. Featuring redundant IO capabilities and Fiber Terminal Assembly blocks, our Safety IO ensures the highest standards of safety and performance. Trust in our proven technology to deliver the safety, performance and ease of integration to your projects.

Discover Unparalleled Features

Emerson's PACSystems SafetyNet IO system provides a high-performance IO system built on SIL2 safety certifications. Embrace peace of mind with our best-in-class redundant system, coupled with safety-certified function blocks for effortless programming. Security is at the core of our design, making the IO inherently secure, safeguarding your systems against potential threats.

Experience uninterrupted operation in a secure environment with Emerson's redundant system. Save valuable engineering time and costs by swiftly configuring your system using PAC Machine Edition (PME). Our system template and straightforward safety manual enhance comprehension, ensuring an efficient and cost-effective design process.

Speed meets reliability with Emerson's Safety IO. Enabling rapid application development using our Safety system template. Effortlessly configure your entire skid using PME, our user-friendly control platform, simplifying the complex.

Standards Compliant, Future Ready

Meeting IEC61508 standards, our Safety IO is not just a solution for today but a future-ready investment. Configurable through PME, it seamlessly integrates into your existing infrastructure.

Engineered for electrical engineers, automation engineers, and forward-thinking engineering management, our Safety IO is your key to a seamless and reliable safety solution. PACSystems SafetyNet IO are certified for use in safety-related applications up to and including SIL2. This is met with a 1oo2 architecture.

Easy Troubleshooting and Machine Setup

Using integrated PME software, you can easily configure VersaMax IO. PME is the same software as all PACSystems CPUs so you only need a single tool from small to large applications. This approach utilizes the same hardware configuration, network configuration, and programming editors. HMI development is also streamlined with a single tag database for QuickPanel+ HMIs.

For more information:
www.Emerson.com/PACSystems

PACSYSTEMS™

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Specifications

Mounting Format
- **DIN Rail**

Network Interfaces
- **Black Channel over Ethernet Global Data (EGD)**

System Redundancy
- **EGD**

I/O Redundancy
- **via Application Code**

Media Support
- **Copper**

Media Connector
- **2x RS-232 or RS-485**
- **1 RJ45**

Hot Swap
- **Yes**

Environmentals
- **IP20**
- **0˚C to 60˚C (-40˚C to 60˚C available)**
- **Conformal Coat options available**

Agency Approvals
- **UL**
- **UL HazLoc C1D2**
- **CE**

Channel Density
- **4-32 points**

Max Wire Gauge
- **14**

Max IO per System
- **2000**

I/O Module Size (W x H x D)
- **66.8 x 163.5 x 70 mm**

Ordering Information

Description	Catalog Number	
Discrete Modules	IC200MDL650SN	PACSystems SafetyNet Input 24 VDC Pos/Neg Logic (4 Groups of 8) 32 Points
	IC200MDL650SNCA	PACSystems SafetyNet Input 24 VDC Pos/Neg Logic (4 Groups of 8) 32 Points, conformal coated
	IC200MDL750SN	PACSystems SafetyNet Output 12/24 VDC Pos Logic 0.5 Amp per point, 32 Points
	IC200MDL750SNCA	PACSystems SafetyNet Output 12/24 VDC Pos Logic 0.5 Amp per point, 32 Points, conformal coated
Analog Modules	IC200ALG264SN	PACSystems SafetyNet Analog Input 15 Bit Voltage 15 channel
	IC200ALG264SNCA	PACSystems SafetyNet Analog Input 15 Bit Voltage 15 channel, conformal coated
Power Supply	IC200PWR002SN	PACSystems SafetyNet Power Supply with expanded 3.3VDC 24VDC Input module
	IC200PWR002SNCA	PACSystems SafetyNet Power Supply with expanded 3.3VDC 24VDC Input module, conformal coated
IO Carriers	IC200CHS022SN	PACSystems SafetyNet IO Rack Chasis
	IC200CHS022SNCA	PACSystems SafetyNet IO Rack Chasis, conformal coated
Network Interface Module	IC200SBI001	PACsystems SafetyNet Bus Interface Module
	IC200SBI001CA	PACsystems SafetyNet Bus Interface Module, conformal coated
Fiber Terminal Assembly Blocks (FTAs)	IC200TBAI101SN	PACSystems SafetyNet FTA 8CH Analog Input, 1 IN 2 OUT
	IC200TBDI103SN	PACSystems SafetyNet FTA 16CH Diode module, 2 IN 1 OUT
	IC200TBDOR102SN	PACSystems SafetyNet FTA 16CH OR logic Diode module, 2IN 1 OUT
	IC200TBDOA104SN	PACSystems SafetyNet FTA 16CH AND logic DO Module

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