

PACSystems™ VersaMax™ SafetyNet I/O

High Performance, SIL2 Safety Certified

VersaMax SafetyNet I/O

Enhance the safety and reliability of your systems with VersaMax SafetyNet I/O, an integral component of our SIL2 process safety solution. With an approximate I/O count of 2000 per system, this safety I/O is designed for seamless integration into a cost-effective general safety solution. Featuring duplex I/O capabilities and Field Terminal Assembly (FTA) blocks, our safety I/O 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

VersaMax SafetyNet I/O system provides a high-performance I/O system, built on IEC 61508 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 I/O inherently secure, safeguarding your systems against potential threats.

Experience uninterrupted operation in a secure environment with VersaMax SafetyNet I/O. 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 VersaMax SafetyNet I/O. Enabling rapid application development using our Safety system template. Effortlessly configure your entire skid using PME, our user-friendly control platform. Simplify this task by configuring your entire control system with one software.

Standards Compliant, Future Ready

Meeting IEC 61508 standards, our VersaMax SafetyNet I/O 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 I/O is your key to a seamless and reliable safety solution. VersaMax SafetyNet I/O are certified for use in safety-related applications up to and including SIL2. This is met with a 1oo2 architecture among the I/O racks.

Easy Troubleshooting and Machine Setup

Using integrated PME software, you can easily configure VersaMax SafetyNet I/O. 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

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PACSystems VersaMax SafetyNet I/O

Specifications

Mounting Format

- DIN Rail

Network Interfaces

- Ethernet Global Data (EGD)

Hot-Standby Redundant Protocol

- EGD

Duplex I/O

- via Application Code

Media Support

- Copper

Media Connector

- 2x RS-232 (Firmware Upgrade)
- 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

Safety Agency Approvals

- IEC 61508
- NFPA 72
- NFPA 85
- NFPA 86
- NFPA 87
- EN 54-2

Channel Density

- 15-32 points

Max Wire Gauge

- 14

I/O Module Size (W x H x D)

- 66.8 x 163.5 x 70 mm

Ordering Information for PACSystems VersaMax SafetyNet I/O

Module Type	Catalog Number	Description
Discrete Modules	IC200MDL650SN	Input 24 VDC Pos/Neg Logic (4 Groups of 8) 32 Points
	IC200MDL650SNCA	Input 24 VDC Pos/Neg Logic (4 Groups of 8) 32 Points, conformal coated
	IC200MDL750SN	Output 12/24 VDC Pos Logic 0.5 Amp per point, 32 Points
	IC200MDL750SNCA	Output 12/24 VDC Pos Logic 0.5 Amp per point, 32 Points, conformal coated
Analog Modules	IC200ALG264SN	Analog Input 15 Bit Current 15 channel
	IC200ALG264SNCA	Analog Input 15 Bit Current 15 channel, conformal coated
Power Supply	IC200PWR002SN	Power Supply with expanded 3.3VDC 24VDC Input module
	IC200PWR002SNCA	Power Supply with expanded 3.3VDC 24VDC Input module, conformal coated
IO Carriers	IC200CHS022SN	IO Rack Chasis
	IC200CHS022SNCA	IO Rack Chasis, conformal coated
Network Interface Module	IC200SBI001	Safety Network Interface Module
	IC200SBI001CA	Safety Network Interface Module, conformal coated