

Compact 5000 I/O System

Creating a more efficient, nimble and productive business

Using EtherNet/IP™ for increased overall productivity, machine builders are empowered to solve their customers' current and future problems through a unified architecture. The system continues to expand performance capabilities within the platform. It's the ideal distributed I/O solution for the ControlLogix® 5580 controller and both the local and distributed I/O solution for the CompactLogix™ 5380 and 5480 controllers. Local safety I/O is available for the Compact GuardLogix® 5380 controller and distributed I/O is offered for the Compact GuardLogix 5380 and GuardLogix 5580 controllers.

Features and Benefits

- New option for safety I/O rated up to SIL3/PLe
- Built-in power input with field power to I/O modules
- Support for 31 local I/O modules
- High-speed backplane for faster transfer rates
- Improved status indicators for information about module health
- Supports 1-Gb embedded switch technology for Linear and Device Level Ring (DLR) topologies
- Integrated USB port allows easy configuration



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The Compact 5000 I/O system offers variety and flexibility with dual 1 gigabit (Gb) embedded Ethernet ports for Linear and Device Level Ring topologies allowing easy customization for applications demanding high performance and speed.

The Compact 5000 I/O safety modules provide local safety connectivity to the Compact GuardLogix 5380. It also supports distributed safety I/O over EtherNet/IP via the 5069 Ethernet adapter to the Compact GuardLogix 5380 and GuardLogix 5580 controllers.

Smart

- Embedded switch technology supports Linear and DLR topologies
- Status display provides information without connecting to the software

Secure

- Integrated power supply reduces power termination to I/O modules
- Access door provides easy access to the SD card and reset button and adds an added layer of protection
- Digitally signed module firmware



Safety

- Provide faster safety reaction time
- Provide enhanced diagnostics information
- Rated up to SIL3/PLe

Productive

- High-speed backplane provides faster transfer rates
- Integrated USB port allows easy configuration
- System supports up to 31 local I/O modules to meet a variety of needs

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Catalog Number	Description
5069-AENTR	Dual Port EtherNet/IP adapter
5069-AEN2TR	Dual Port EtherNet/IP adapter with display diagnostics, integrated USB port, and SD card
5069-IB16	Digital input-24V DC, 16-point sinking digital input
5069-IB16F	Digital input-24V DC, 16-point sinking digital input, fast response
5069-IB6F-3W	Digital input-24V DC, 6-point sinking digital input, fast response, 3-wire
5069-OB16	Digital output -24V DC, 16-point sourcing digital output
5069-OB16F	Digital output-24V DC, 16-point sourcing digital output, fast response
5069-IF8	Analog input, 8-channel
5069-IY4	Analog input, 4-channel, universal
5069-OF4	Analog output, 4-channel
5069-OF8	Analog output, 8-channel
5069-OW4I	Output-Relay Isolated, 4-channel, form AN.O.
5069-OX4I	Output-Relay Isolated, 4-channel, form C N.O./N.C.
5069-HSC2xOB4	High Speed Counter, 2-axis, sourcing digital output, 4-channel
5069-FPD	Field Power Distribution
5069-ARM	Address Reserve Module
5069-IA16	Input, 120/240V AC
5069-OA16	Output, 120/240V AC
5069-OB8	Output, 24V DC, high current
5069-OW16	Non-isolated, high density Relay Output
5069-SERIAL	Serial Interface, 2-channel, isolated
5069-IB8S	Safety digital input, 8 channels sinking, SIL3/PLe
5069-OBV8S	Safety digital configurable output, 8 channels Bipolar/Sourcing, SIL3/PLe



Environmental Specifications

Operating Temperature	0°C to + 60°C (32°F to +140°F)
Relative Humidity	5% to 95% noncondensing
Max. Altitude	2000 meters (6561 feet)
Vibration	Operating: 4.6 g, 10 to 500 Hz, 0.030 in. max. peak-to-peak
Shock	Operating: 30 g DIN rail mounted Non-operating: 50 g DIN rail mounted

See [Compact 5000 I/O Modules Specifications Technical Data](#) and the [Rockwell Automation](#) website.

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