

Compact I/O System

Future proofing your system and enabling your Connected Enterprise

The Compact I/O™ system continues to expand performance capabilities with the 5069 Compact I/O platform. It is the ideal distributed I/O solution for use with the ControlLogix® 5580 controller and users with high processing requirements.

The Compact I/O system future-proofs your system and enables The Connected Enterprise, allowing machine builders to bring added value to their customers through a single, unified architecture, using EtherNet/IP™ for increased overall productivity.

Features and Benefits

- 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
- Compact I/O modules:
 - High Speed Counter
 - Digital Input
 - Digital Output
 - Analog Output
 - Isolated and Non-isolated Relay Output
 - Address Reserve
 - Universal Analog Input
 - AC Input and Output



LISTEN.
THINK.
SOLVE.®

Compact I/O System

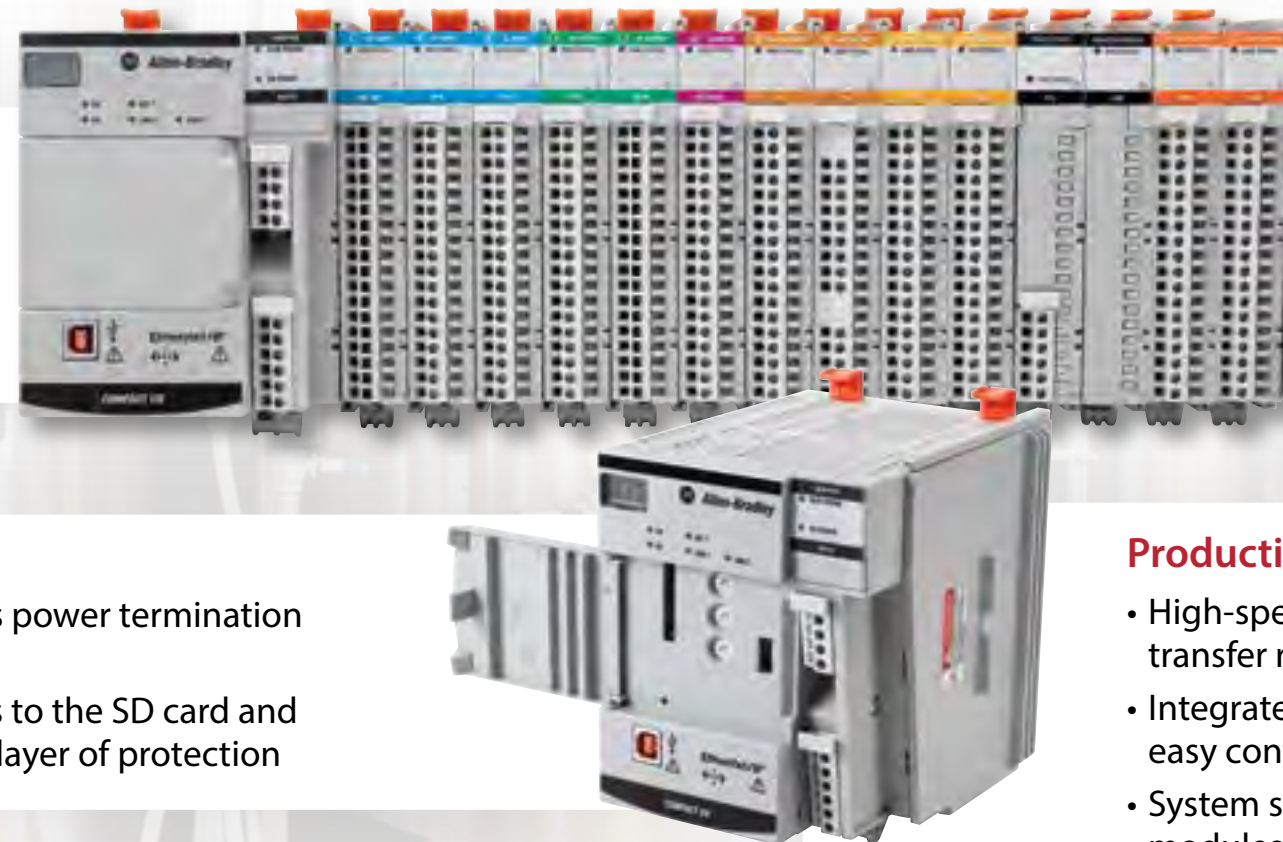
The 5069 Compact I/O system offers variety and flexibility with dual 1 Gigabit (Gb) embedded Ethernet ports for Linear and Device Level Ring topologies allowing easy customization for applications demanding high performance and speed.

Smart

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

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



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

Enabling the Connected Enterprise

Bringing people, processes and technology together.

It's about reshaping the future through leverage and convergence.

The Connected Enterprise leverages technology to better gather, analyze data and transform it into actionable, real-time information. Convergence of information technology (IT) and operations technology (OT) into a single, unified architecture capitalizes on operational, business and transactional data for improved enterprise, operations and supply chain performance.



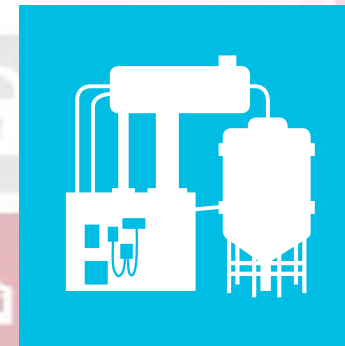
Faster time to market

Design productivity, faster commissioning times with intelligent devices, quicker startup of Greenfields, proven technology around risk mitigation for operations and IT, and the agility to respond to customer trends more quickly.



Lower total cost of ownership

Better life-cycle management, enabling more effective operations, improved energy management, and easier technology migration.



Improved asset utilization and optimization

Improved reliability and quality, and predictive maintenance driven by operational intelligence tools.



Enterprise risk management

Protection of intellectual property and brand image with a safe and secure operating environment, reduced exposure due to poor product quality and internal and external threats.

Compact I/O System

Catalog Number	Description
5069-AEN2TR	EtherNet Adapter supports up to 31 local I/O modules
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

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EtherNet/IP is a trademark of ODVA.

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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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 [5069 Compact I/O Modules Specifications Technical Data](#) and the [Rockwell Automation](#) website.