

Compact GuardLogix 5370 Controller

Midrange Integrated Safety control

The Compact GuardLogix® 5370 controller scales the Midrange Architecture to include Integrated Safety and Integrated Motion on EtherNet/IP in a single controller. It uses Studio 5000 Logix Designer® software, the same configuration, networking and visualization environment as our large-scale ControlLogix®-based systems. The 5370 controller provides scalable integrated safety and motion options for a wider range of machines, providing a total solution for machine builders.

Features and Benefits

Enhanced performance and troubleshooting

- Up to 16 axis of motion on EtherNet/IP
- Dual Ethernet ports support linear and Device Level Ring topologies
- Embedded storage module removes the need for a battery
- Removable 1 GB SD card improves data integrity
- Use standard and safety I/O in the same remote I/O rack

Safety and security

- Safety status indicators provide on-going safety status about the system
- Safety rated to SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Integrated Safety and Integrated Motion on EtherNet/IP
- Access door provides easy access to the SD card and mode switch



LISTEN.
THINK.
SOLVE.

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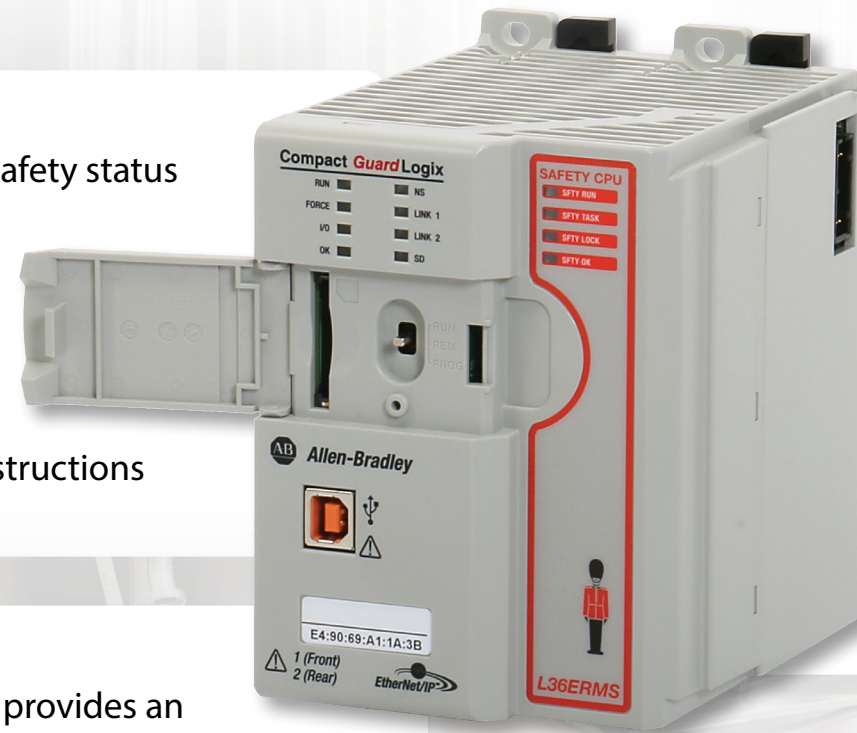
The Compact GuardLogix® 5370 controller continues to build the 5370 CompactLogix™ Midrange portfolio with the addition of Integrated Safety along with the following features and benefits.

Smart

- Safety status indicators provide on-going safety status
- Integrated safety control up SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Supports reuse of existing 1769 I/O
- Embedded energy storage module removes the need for a battery
- Faster design time using certified safety instructions and reusing code

Secure

- Three-position mode switch selector provides an added layer of security
- Access door provides easy access to the SD card and mode switch



Productive

- Removable SD card provides easy, portable transfer of machine programs without software download
- Built-in dual Ethernet port supports Linear and Device Level Ring topologies
- Removable 1-GB SD card improves data integrity
- Support for kinematics eliminates the need for additional robot controllers and software

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Catalog Number	Standard Memory	Safety Memory	Total Memory	Tasks	Programs per Task	Max. Ethernet Nodes	I/O Capability Local	I/O Capability Expansion
1769 - L30ERMS	1.0 MB	0.5 MB	1.5 MB	32 (1 safety)	100	16	1769 Compact I/O	8
1769 - L33ERMS	2.0 MB	1.0 MB	3.0 MB			32		16
1769 - L36ERMS	3.0 MB	1.5 MB	4.5 MB			48		30

Environmental Specifications and Certifications

Catalog Number	Temperature, operating	Temperature, storage	Vibration	Emissions CISPR11
1769 - L30ERMS 1769 - L33ERMS 1769 - L36ERMS	0...60 °C (-4...140 °F)	-40...85 °C (-40...185 °F)	5 g @ 10...500 Hz	CISPR 11/22, Class A



See [CompactLogix Technical Data](#) and additional information at the [Rockwell Automation](#) website.

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