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.®

Compact GuardLogix 5370 Controller
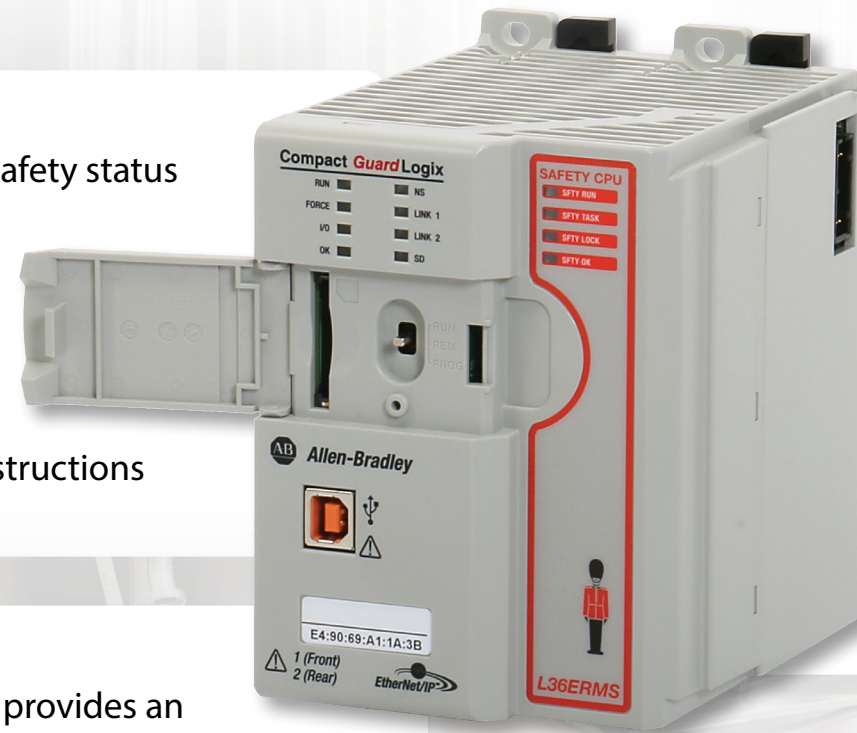
Allen-Bradley

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

Compact GuardLogix 5370 Controller

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			16		8
1769 - L33ERMS	2.0 MB	1.0 MB	3.0 MB	32 (1 safety)	100	32	1769 Compact I/O	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.

www.rockwellautomation.com