CompactLogix™ 5370 L2 Programmable Automation Controllers

Allen-Bradley

1769L24ER-QB1B, -L24ER-QBFC1B, -L27ERM-QBFC1B

Features and Benefits

The CompactLogix 5370 L2 controllers deliver scalable, affordable control in a space-saving form factor. From small stand-alone equipment to higher performance applications, these controllers are ideal for assembly machines, hoisting systems, process skids, indexing tables, and packaging.

Machine builders and end users can take advantage of the cost-saving features of these controllers:

- Support for Integrated Motion on EtherNet/IP
- Support for Device Level Ring (DLR) network topologies
- Built-in energy storage eliminates the need for lithium batteries
- Support reuse of existing 1769 I/O
- Removable 1GB secure digital (SD) card improves data integrity
- Memory options up to 1MB
- Higher resolution analog capability supports thermocouple and RTD inputs
- Support for Kinematics eliminates the need for additional robot controllers and software
- Open socket capability allows support for Modbus TCP as well as devices such as printers, barcode readers and servers

Build a better machine with with CompactLogix 5370 L2 Programmable Automation Controllers.



Expanding on the scalability of the Logix family of controllers, the CompactLogix 5370 L2 programmable automation controllers (PAC) are designed to meet the growing need for a higher performance controller in a compact and affordable package. Offering a 40% reduction in required panel space and the same capabilities as the CompactLogix 5370 L3, the L2 controllers truly enable you to build a high performance, more cost-effective machine.

As part of the Integrated Architecture system, the CompactLogix 5370 L2 controllers use the same programming software, network protocol, and information capabilities as all Logix controllers, providing a common development environment for all control disciplines.

Integrated Motion on EtherNet/IP

The CompactLogix 5370 L2 controllers provides a strong motion solution for customers looking for performance and cost competitiveness.

- Supports up to 4 axes of integrated motion
- Together with the Kinetix 350, offers cost-effective, scalable motion solution

Network Capabilities

With dual Ethernet ports and an integrated Ethernet switch, these controllers now support Device Level Ring (DLR) network topologies, simplifying integration of components in your control system and reducing system cost:

- Provides resiliency from loss of one network connection
- Allows replacement of devices one at a time without stopping production
- Reduces the number of Ethernet switches in the control system

LISTEN. THINK. SOLVE.

Rockwell Automation

CompactLogix 5370 L2 Controller Product Specifications

	[illegible]	[illegible]	[illegible]
User memory	750 KB	750 KB	1 MB
Controller tasks	32 tasks	32 tasks	32 tasks
Programs per task	100 tasks	100 tasks	100 tasks
Integrated Motion	—	—	4 axis CIP motion position loop axis
Package Size	115mm wide x 118mm high x 105mm deep	140mm wide x 118mm high x 105mm deep	
Certifications	cULH (Class I Division 2), KCC / UL (UL 508), ULH (Class I & II, Division 2 and Class III, Divisions 1 & 2) / ATEX, CE, C-Tick / Marine and GOST certifications in 2012		
Local Expansion Modules	4	4	4
Embedded I/O	16 digital inputs 16 digital outputs	16 digital inputs / 16 digital outputs, 4 universal analog input, 2 analog output, 4 channels HSC	
Local Expansion I/O Points	96	96	96
Communication Module Additions	DeviceNet with 1769-SDN or 3rd party		
Flash Memory Card	Industrially rated and certified Secure Digital (SD) memory card (1 and 2 GB options); all controllers shipped with 1 GB card		
Servo Drives (Position Loop CIP)	—	—	4
Ethernet I/O IP nodes	8	8	16
Virtual axes	100	100	100
Feedback only, torque, velocity, VHz (max CIP motion drives)	—	—	16
Axes/ms	—	—	2
Kinematics support	—	—	yes
Software / Firmware	RSLogix 5000 V20 and RSLinx Classic V2.58 Firmware v20.11 or later		

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Publication 1769-PP001A-EN-E - November 2011

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