

# PLC-5 Programmable Controllers to ControlLogix Control System Packaged Migration Selection Guide

An Easy, Fast and Affordable Solution to Migrating



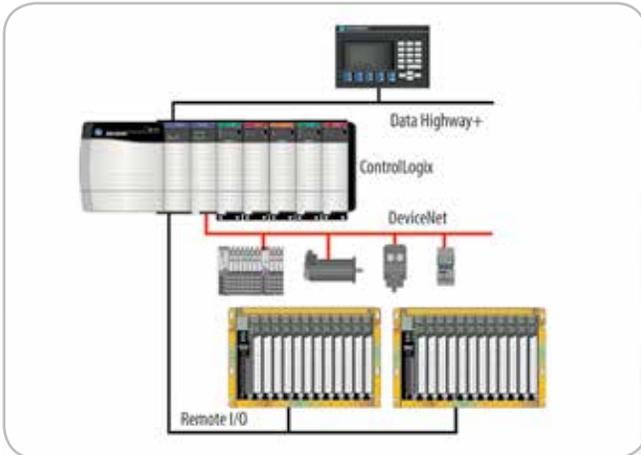
LISTEN.  
THINK.  
SOLVE.

 Allen-Bradley • Rockwell Software

**Rockwell  
Automation**

# A New Meaning to Migration – Easy, Fast, Affordable

The PLC-5® control platform has been a valuable part of our portfolio for more than 30 years. But no technology can last forever. Now is the time to modernize your control system to the Allen-Bradley® ControlLogix® platform.



When you choose Rockwell Automation® for your migration project, you benefit from:

- Confidence in knowing that a core group of engineers, who perform PLC migrations and conversions every day, is responsible for completing your conversion using the following:
  - Tested code conversion tools, standard code libraries and information sharing
  - A conversion methodology enabling productivity and consistent delivery
  - Engineering standards and processes, which are governed by our Quality Management System
  - Sixteen-plus hours of simulation testing and engineering peer review

- The option of adding a Rockwell Automation factory-trained engineer who is an expert in Rockwell Automation products and systems to help you commission your new control system

The PLC-5 packaged migration offers end users, systems integrators and OEMs a way to systematically prioritize their migration requirements by migrating only one PLC-5 rack, leaving any connected devices, slave controllers and I/O racks in place. By migrating the core controller and chassis, you lay the foundation for future modernization.

The PLC-5 packaged migration is ideal for discrete, straightforward applications communicating to devices and remote I/O racks on existing networks.

## Base Package

The in-kind migration includes:

- Up to 1,000 rungs of application code conversion
- Up to 5,000 tags updated Rockwell Automation HMI tag database
- PLC to PLC communications
- 1756 ControlLogix Chassis
- 1756-L72 ControlLogix Controller
- 1756-PA72 or 1756-PA75 ControlLogix Power Supply
- 1756 ControlLogix Communication Module
- Replacement Digital I/O
- Wiring Conversion System
- One year Assurance™ Integrated Support

## Custom Solutions

While the PLC-5 packaged migration can help simplify the migration process, some more complex applications require additional support. Systems that would benefit from a custom-quoted migration solution may involve communications or functions such as:

- Those requiring redundancy, modifications to external devices or application functional changes
- Communications to DCS systems

- Including specialty modules such as DCM, Very High Speed Counter, 2760 RB Flexible Interface or motion modules
- Engineered as a safety instrumented system

With a custom migration solution, Rockwell Automation will work closely with you and your distributor to determine what is needed to implement your PLC system migration. The conversion project has three steps, including on-site assessment, application conversion engineering, and start-up and acceptance.

## PLC-5 Controller to ControlLogix Control System Packaged Migration Selection Guide

For assistance on your migration project or to request a migration quote, please contact your local authorized Allen-Bradley distributor or Rockwell Automation sales office.

Catalog Number	Description
CSOS-PLC5E4	Replacement system - up to 7 slots with Ethernet
CSOS-PLC5E8	Replacement system - up to 10 slots with Ethernet
CSOS-PLC5E12	Replacement system - up to 13 slots with Ethernet
CSOS-PLC5E16	Replacement system - up to 17 slots with Ethernet
CSOS-PLC5C4	Replacement system - up to 7 slots with ControlNet
CSOS-PLC5C8	Replacement system - up to 10 slots with ControlNet

Catalog Number	Description
CSOS-PLC5C12	Replacement system - up to 13 slots with ControlNet
CSOS-PLC5C16	Replacement system - up to 17 slots with ControlNet
CSOS-PLC5B4	Replacement system - up to 7 slots with DH/RIO
CSOS-PLC5B8	Replacement system - up to 10 slots with DH/RIO
CSOS-PLC5B12	Replacement system - up to 13 slots with DH/RIO
CSOS-PLC5B16	Replacement system - up to 17 slots with DH/RIO

### Base Package

Select your base package by identifying your existing processor and rack size of chassis.

CSOS -  -   
a b

a

Existing Processor	
Catalog # Element	Description
PLC5B	DH/RIO PLC-5 processor of any size (original or enhanced)
PLC5C	ControlNet PLC-5 processor of any size
PLC5E	Ethernet PLC-5 processor of any size

b

Existing Chassis	
Catalog # Element	Description
4	1771 platform 4 slot chassis
8	1771 platform 8 slot chassis
12	1771 platform 12 slot chassis
16	1771 platform 16 slot chassis

Select from additional options available, to customize your package. Multiple quantities can be ordered. Hardware and engineering services are included.

Catalog Number	Description
CSOS-PLC5-ADD-1R	An additional 500 rungs
CSOS-PLC5-ADD-5T	An additional 1,000 tags
CSOS-PLC5-ADD-IADDR	Indirect addressing
CSOS-PLC5-ADD-AIN	Analog input module
CSOS-PLC5-ADD-AOUT	Analog output module

Catalog Number	Description
CSOS-PLC5-ADD-CN2	ControlNet communication module
CSOS-PLC5-ADD-DHRIO	DH/RIO communication module
CSOS-PLC5-ADD-DNET	DeviceNet communication module
CSOS-PLC5-ADD-ENET	Ethernet communication module
CSOS-PKG-DAY	1-day on-site start-up assistance
CSOS-TRN-CCP146	ControlLogix System Fundamentals training class

Replace existing remote I/O racks. Multiple quantities can be ordered. Hardware and engineering services are included.

Catalog #	Element Description
CSOS-PLC5-RR4	Replacement Rack - up to 7 slots
CSOS-PLC5-RR8	Replacement Rack - up to 10 slots
CSOS-PLC5-RR12	Replacement Rack - up to 13 slots
CSOS-PLC5-RR16	Replacement Rack - up to 17 slots

### Remote I/O Racks

The replacement I/O rack includes:

- 1756 ControlLogix Chassis
- Replacement Digital I/O

# Rockwell Automation Services & Support

## Global Support. Local Address. Peace of Mind.

Providing the resources you need, when and where you need them, Rockwell Automation has an integrated, global network of ISO-certified repair centers, exchange hubs, field service professionals, IACET-recognized training centers, certified technical phone support centers and online tools.

[www.rockwellautomation.com/global/go/services](http://www.rockwellautomation.com/global/go/services)



## Meet Your Everyday Technical Needs

Remote Support & Monitoring	Training Services	OnSite Services	Repair Services
<ul style="list-style-type: none"> <li>Real-time product, system and application-level support</li> <li>Unlimited online resources and tools</li> <li>Live chat and support forums</li> <li>Secure equipment monitoring, alarming and diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>Instructor-led and computer or web-based courses</li> <li>Virtual classroom</li> <li>Training assessments</li> <li>Workstations and job aids</li> </ul>	<ul style="list-style-type: none"> <li>Embedded engineering</li> <li>Preventive maintenance</li> <li>Migrations and conversions</li> <li>Start-up and commissioning</li> </ul>	<ul style="list-style-type: none"> <li>Product remanufacturing</li> <li>Repair services on a full range of industrial automation brands and products</li> </ul>
			

## Maximize Your Automation Investment

MRO Demand Management	Lifecycle Extension & Migrations	Network & Security Services	Safety Services
<ul style="list-style-type: none"> <li>Comprehensive asset management planning</li> <li>Reliability services</li> <li>Warranty tracking</li> <li>Quick access to global spare parts inventory</li> </ul>	<ul style="list-style-type: none"> <li>Installed Base Evaluation™</li> <li>Pinpoint obsolescence risk</li> <li>Tools and lifecycle support service agreements to mitigate production risk</li> </ul>	<ul style="list-style-type: none"> <li>Control system lifecycle services</li> <li>Manage network convergence</li> <li>Security technology, policies and procedures services</li> </ul>	<ul style="list-style-type: none"> <li>Safety assessments and remediation</li> <li>Safety design, integration and validation services</li> </ul>
			

Visit the Rockwell Automation Support Center at [www.rockwellautomation.com/knowledgebase](http://www.rockwellautomation.com/knowledgebase) for technical information and assistance, plus:

- View technical/application notes
- Obtain software patches
- Subscribe for product/service email notifications
- Submit a Question, Live Chat, Support Forums and more

Visit Get Support Now at [www.rockwellautomation.com/go/support](http://www.rockwellautomation.com/go/support) to select your country and find your local support information.

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