

Features and Benefits

Redundancy enables higher productivity by providing higher system availability by switching control to a secondary controller chassis if the primary redundancy module detects an event in the primary chassis. Higher availability results in less downtime. ControlLogix® redundancy can help:

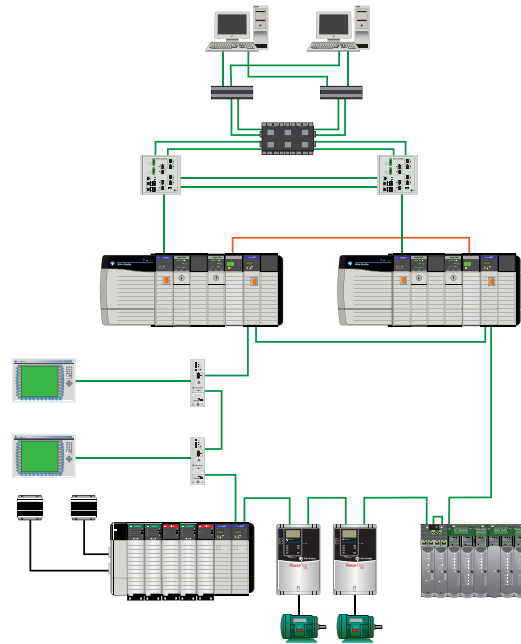
- Maintain the system without stopping the controller
- Run continuous processes where downtime can result in equipment damage, or expensive restarts, loss in revenue or damage to the product
- Produce high volumes of product and expensive product when downtime is not an option

Conformal Coating

Select products are available with Conformal Coating to help protect components and extend product life in the following:

- ANSI/ISA-71.04.2013; Pollution class G3 Harsh Group A environments (tested equivalent to 10 years)
- High-humidity and caustic areas
- Salt-contaminated and saline-fog environments
- Aggressive chemical and vapor atmospheres
- Environmentally sensitive and abrasive areas
- Off-shore marine environments

Products not available as standard coated may be ordered as custom coated products.



Establish Redundancy Without Additional Programming

With ControlLogix redundancy, you can establish redundancy between a pair of controller chassis without any additional programming. ControlLogix redundancy is designed to be viewed as a single system and will be transparent to any devices connected over a ControlNet or EtherNet/IP network.

The primary controller chassis automatically determines what data changes during its scan and automatically sends that data to the secondary controller to keep it ready to immediately take over control without any change in the outputs. You do not need to program messages nor specify certain data to transfer. This feature eliminates the need to spend valuable engineering resources setting up the redundancy system.

Version 20.05 Provides Support For:

EtherNet/IP™ I/O

Device Level Ring, star and other EtherNet/IP topologies providing a variety of fault-tolerant networks that provide scalable resiliency to meet all network availability, cost and performance requirements.

Partial Import Online

Make larger runtime changes to applications than possible in the past, for example, adding new programs and/or routines. You can make these changes offline and then download to the controller without stopping it.

Part of a Complete High Availability Solution

ControlLogix V20.05 firmware provides a foundation for a complete end-to-end high availability solution that helps to protect production and product quality, critical equipment and plant assets, plant personnel, the environment and surrounding community. The following products work with ControlLogix redundancy V20.05 to make the solution complete.

ControlLogix 5570 Family of Controllers

The L7 controllers offer significant improvements in performance over the ControlLogix L6 controllers when you use them with 1756-RM2 Series A redundancy modules.



1715 Redundant I/O with Redundant Ethernet Adapters

1715 fault-tolerant I/O provides redundant input and output modules including analog outputs configured by Studio 5000 Logix Designer™ and supporting redundant Ethernet adapters all with no additional programming required. All 1715 products have conformal coating as standard.



FactoryTalk View SE 7.0

FactoryTalk® View SE 7.0 supports alarm and event server redundancy for auto-synchronization of device-based and tag-based alarms between active and standby servers and a single alarm history configuration.



Additional Information

The most current list of Conformally Coated products can be found [here](#), or by contacting your local Rockwell Automation distributor or sales office.

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