

Support for Digital Phoenix Fiber Optic modules that reside in 1756 redundancy chassis

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Question

What Digital Phoenix modules exist that can be placed in the ControlLogix redundancy platform?

Answer

Encompass product partner Phoenix Digital Corporation makes fiber optic modules for various Allen-Bradley platforms.

This tech note is specific to the Ethernet and ControlNet fiber optic modules for the 1756 ControlLogix platform when the modules are to be used in a ControlLogix Redundancy system.

The ControlLogix Redundancy system allows only certain modules in the redundant chassis pair. The allowed modules are controllers, EtherNet/IP and ControlNet communication bridges, and the Redundancy module. Any other module(s) in the redundant chassis pair will cause an error and the redundant chassis pair will not synchronize. More detail can be found in the ControlLogix Redundancy System user manual or ControlLogix Enhanced Redundancy System user manual.

Phoenix Digital makes special versions of their 1756 Ethernet and ControlNet fiber optic modules that do not contain a backplane interface. These modules draw power from the 1756 backplane but do not communicate with the backplane.

ControlLogix Redundancy system will allow these special modules in the redundant chassis pair.

The Phoenix Digital fiber optic 1756 modules that can be used in a ControlLogix Redundancy system will have model numbers beginning with "OCX-ETF" for Ethernet or "OCX-CTN" for ControlNet. Each of these will end with "-SPC1". There could be a number of other letters in the model number that indicate other options.

Please contact Phoenix Digital for more information on these special versions of the 1756 Ethernet and ControlNet fiber optic modules.

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