aparian

FF Link /B

FOUNDATION™ Fieldbus H1 Master for EtherNet/IP and Modbus TCP

FOUNDATION™ Fieldbus

32 H1 Devices

Isolated Power Conditioner

Bus Terminator

EtherNet/IP Target

EtherNet/IP Originator

Modbus TCP Master/Slave

Module Redundancy

Device Level Ring

Extensive Diagnostics

Built-In Packet Analyser

DTM - Asset Management

The FF Link module simplifies the implementation of FOUNDATION™ Fieldbus H1 by combining an EtherNet/IP and Modbus TCP Linking device with an internal isolated power conditioner and bus terminator.



The module supports up to 32 H1 devices and is capable of exchanging data with either a Rockwell Automation Logix controller, EtherNet/IP device, or any Modbus TCP master or slave device.

The internal power conditioner is capable of supplying up to 420 mA with a software configurable over-current limit. It can also be disabled for applications requiring an external power conditioner.

The FF Link supports module redundancy when in EtherNet/IP target mode, allowing two FF Link masters to be connected to the same H1 segment in a one-active-one-standby strategy.

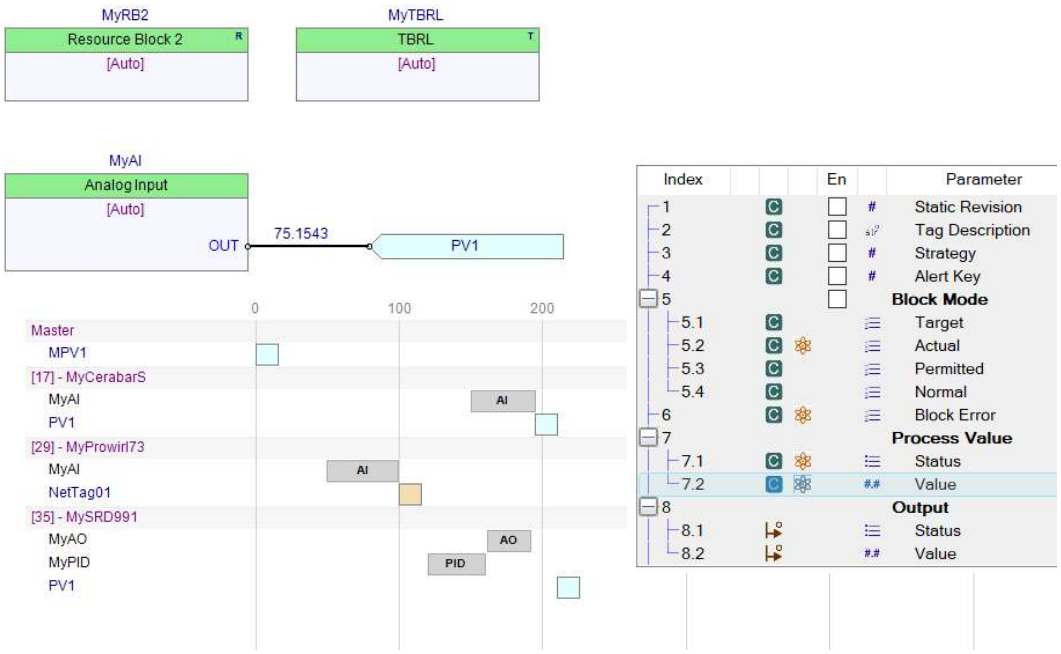
The module hosts two Ethernet ports which can be configured in a Device Level Ring or Linear topology.

Configuration is a achieved using Aparian's free-downloadable Slate configuration environment. Slate generates H1 device specific UDTs and mapping code which can be imported into Studio 5000, allowing even complex systems to be configured in minutes.

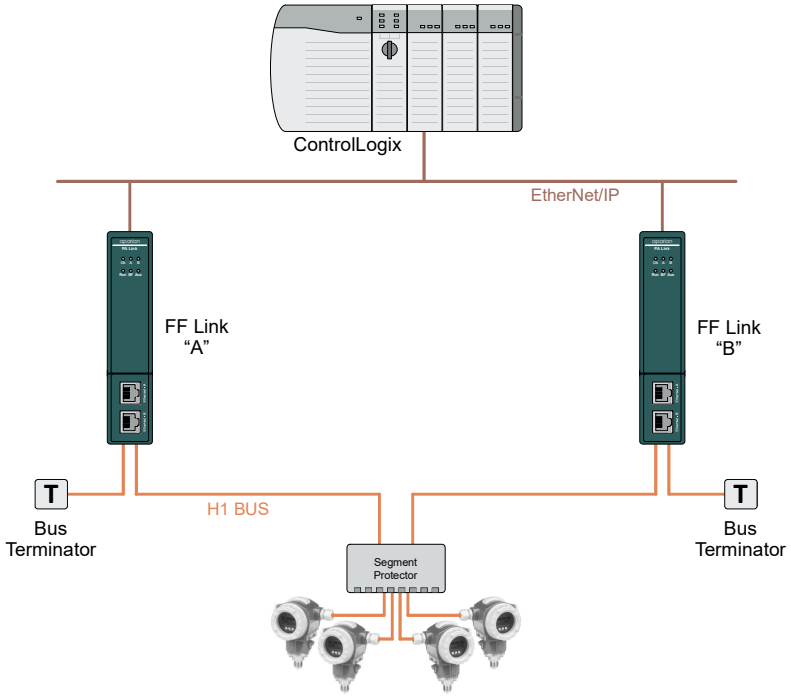


FF Link
A-FFL/B

Intuitive Configuration



Redundant Configuration: - ControlLogix



Specifications

RoHS2 EtherNet/IP c UL us LISTED CLASS 1, DIV 2, GROUPS A, B, C, D CE

Parameter	Rating	
Power requirements	22 - 26 VDC	135mA @ 24VDC - Zero Bus Load 580mA @ 24VDC - Full Bus Load
Operating temperature	-20 - 70 °C -20 - 60 °C -20 - 50 °C	Power Conditioner Load <= 220 mA Power Conditioner Load <= 320 mA Power Conditioner Load <= 420 mA
Power Conditioner	19 VDC @ 420mA, 23 VDC at 0 mA	
Maximum H1 Slave Devices	32	
EtherNet/IP	Class 1 - 1-4 connections configurable	
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX, DLR	

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