aparian

PA Link /B

PROFIBUS PA Master to EtherNet/IP and Modbus TCP Linking Device

PROFIBUS PA

32 PA Devices

Isolated Power Conditioner

Bus Terminator

EtherNet/IP

Modbus TCP Master/Slave

Module Redundancy

Device Level Ring

Extensive Diagnostics

Built-In Packet Analyser

PA Device Discovery

DTM - Asset Management

The PA Link module simplifies the implementation of PROFIBUS PA 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 PA slave devices and is capable of exchanging up to 2 kilobytes of PROFIBUS data with either a Rockwell Automation Logix controller 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.

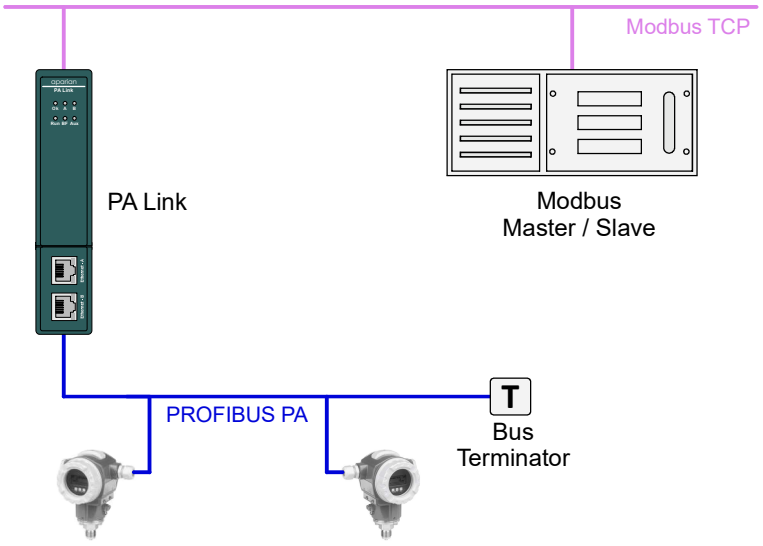
The PA Link supports module redundancy allowing two PA Link masters to be connected to the same PROFIBUS PA segment in a one-active-one-standby strategy.

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

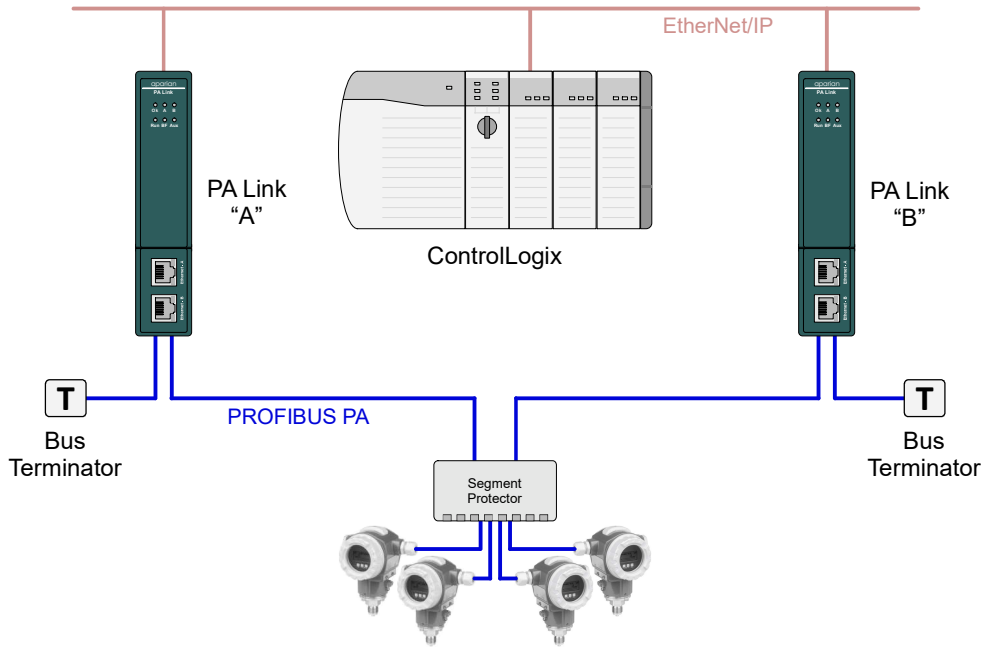
Configuration is a achieved using Aparian's free-downloadable Slate configuration environment. Slate generates PROFIBUS PA device specific UDTs and mapping code which can be imported into Studio 5000, allowing even complex systems to be configured in minutes.



Basic Configuration: - Modbus TCP



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 PA Slave Devices	32	
EtherNet/IP	Class 1 - 1-4 connections configurable	
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX, DLR	

PA Link
A-PAL/B

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