aparian

- *SAE J1939 to Logix / Modbus*
- *Bidirectional Data Exchange*
- *PGN Browsing*
- *Auto Scaling to Eng. Units*
- *Direct-to-Tag Technology*
- *Generation of Logix Tag and UDT L5X file*
- *EtherNet/IP Originator*
- *EtherNet/IP Target*
- *Modbus -TCP / -RTU (RS232 / RS485)*
- *Built-In Packet Analyser*
- *Device Level Ring*
- *DIN Rail Mount*
- *Easy to configure*

J1939 Router

SAE J1939 to EtherNet/IP and Modbus



The J1939 Router provides a powerful solution for data exchange between J1939 devices and either Logix, EtherNet/IP devices or Modbus devices.

Multiple J1939 PGNs (Parameter Group Number) can be cosnumed or produced. The data, which is automatically formatted and scaled to engineering units can then be exchanged with the configured Primary Interface, being either:

EtherNet/IP Target - Here the module is either added into the Logix controller's IO tree (class 1), or exchanges data with Logix tags (Direct-to-Tag).

EtherNet/IP Originator - Here the module can be configured to either explicitly message up to 10 EtherNet/IP devices (UCMM / Class 3) or establish Class 1 connections to them.

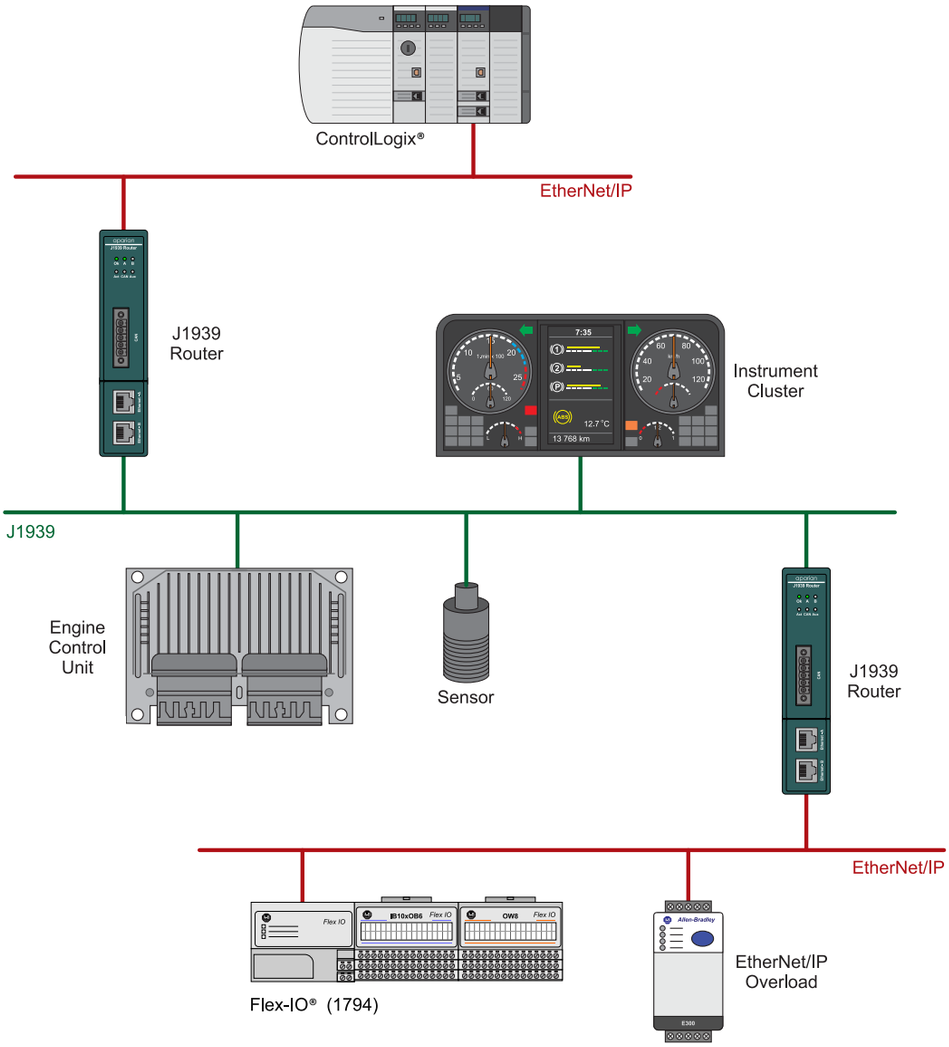
Modbus Client - Here the module can exchange data with one or more Modbus Server devices via Modbus-TCP or -RTU (RS232 or RS485).

Modbus Server - Here the module can exchange data with remote Modbus Clients via Modbus-TCP or -RTU (RS232 or RS485).



The Slate configuration utility can also create the required UDT (user-defined data type) containing all the component SPN (Suspect Parameter Numbers) in an L5X format, which can easily be imported in Studio 5000.

The J1939 Router is packed with diagnostic information including an on-board packet capture utility, PGN monitor and node live list.



Specifications

II 3 G
Ex ec IIC T5
-20°C ≤ Ta ≤ 70°C

c UL us LISTED
CL 1 DIV 2 GRP A,B,C,D
E494895

Parameter	Rating
Power requirements	10 - 32 VDC (85mA @ 24VDC) 2.2W Max.
Operating temperature	-20 - 70 °C
CAN BAUD supported	250k, 500k
PGN Map	Max 100 map items (Produce and Consume)
PGN / SPN Data	Unpacked and Scaled
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX, DLR
EtherNet/IP Target	4 x Class 1 Connections + Direct-to-Tag
EtherNet/IP Originator	10 x Class 1, 10 x Devices (UCMM/Class 3) 50 map items (total)
Modbus Protocol	TCP, RTU (RS232 or RS485)

J1939 Router
A-J1939R/B

Aparian Inc.
3621 W. MacArthur Blvd
Suite 104,
Santa Ana, CA 92704
USA

Tel. (949) 445 4109
sales@aparian.com
www.aparian.com

aparian