aparian

J1939 Router

Intelligent J1939 to EtherNet/IP Router

SAE J1939 to Logix

Bidirectional Data Exchange

PGN Browsing

Auto Scaling to Eng. Units

Direct-to-Tag Technology

Generation of Logix Tag and UDT L5X file

Built-In Packet Analyser

DIN Rail Mount

Easy to configure

The J1939 Router provides a powerful and easy to configure solution to exchange data between SAE J1939 devices and a Logix controller via EtherNet/IP.

This allows a Logix controller to not only receive multiple PGNs (Parameter Group Number) data from J1939 devices, but also operate as multiple J1939 devices producing data on the J1939 network.

J1939 data is automatically formatted and scaled to engineering units when exchanged with Logix.

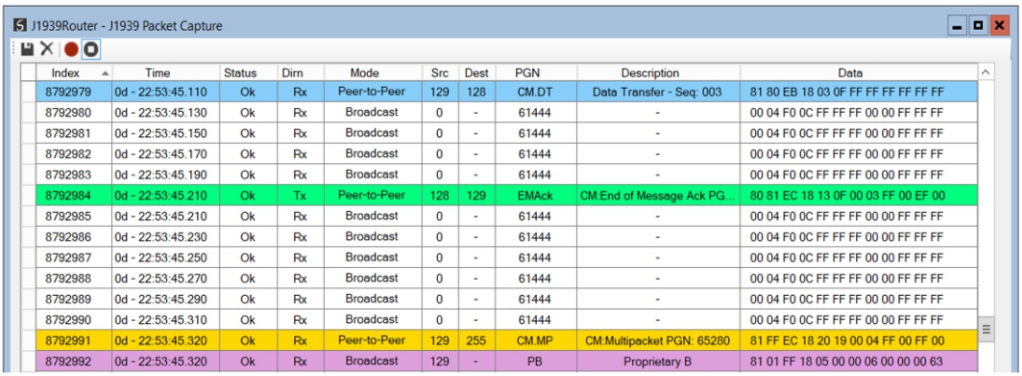
Configuration is simplified by combining Aparian's Direct-To-Tag technology with the integrated J1939 database. This allows a user to browse to the required PGN and map it directly to a Logix tag.



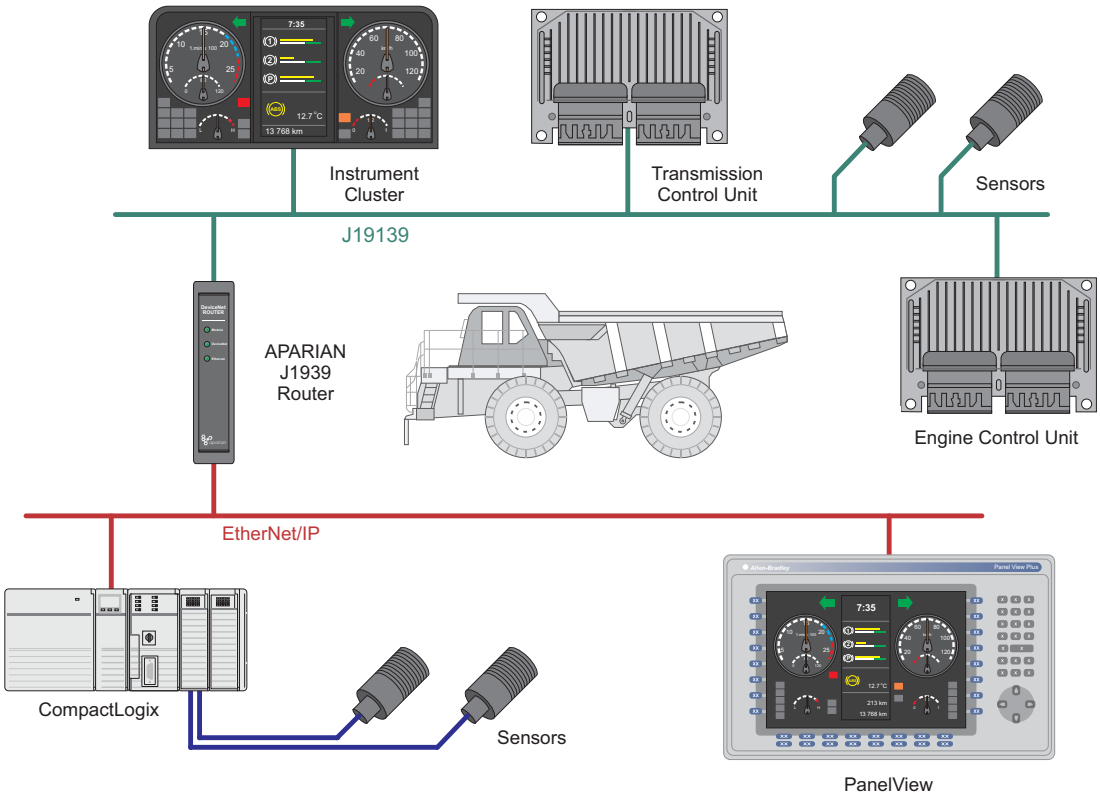


The Slate configuration utility can also create the required UDT (user-defined data type) containing all the component SPN (Suspect Parameter Numbers) in an L5X format, which can easily be imported in Studio 5000.

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



Index	Time	Status	Dirn	Mode	Src	Dest	PGN	Description	Data
8792979	0d - 22:53:45.110	Ok	Rx	Peer-to-Peer	129	128	CM.DT	Data Transfer - Seq: 003	81 80 EB 18 03 0F FF FF FF FF FF
8792980	0d - 22:53:45.130	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792981	0d - 22:53:45.150	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792982	0d - 22:53:45.170	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792983	0d - 22:53:45.190	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792984	0d - 22:53:45.210	Ok	Tx	Peer-to-Peer	128	129	EMAck	CM:End of Message Ack PG...	80 81 EC 18 13 0F 00 03 FF 00 EF 00
8792985	0d - 22:53:45.210	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792986	0d - 22:53:45.230	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792987	0d - 22:53:45.250	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792988	0d - 22:53:45.270	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792989	0d - 22:53:45.290	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792990	0d - 22:53:45.310	Ok	Rx	Broadcast	0	-	61444	-	00 04 F0 0C FF FF FF 00 00 FF FF FF
8792991	0d - 22:53:45.320	Ok	Rx	Peer-to-Peer	129	255	CM.MP	CM:Multipacket PGN: 65280	81 FF EC 18 20 19 00 04 FF 00 FF 00
8792992	0d - 22:53:45.320	Ok	Rx	Broadcast	129	-	PB	Proprietary B	81 01 FF 18 05 00 00 06 00 00 00 63



Specifications

Parameter	Rating
Power requirements	10 - 28 VDC (70mA @ 24VDC)
Operating temperature	-20 - 70 °C
J1939 BAUD Supported	250k, 500k
Arbitrary Address Capable	Yes
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX
Max PGN Mapping	40
Max PGN Size	480 bytes

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

CE

J1939 Router
A-J1939

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