

A new Protocol Converter with 2 Isolated CAN bus ports (SAE J1939, CANopen®) and 1 Isolated RS485 port (Modbus RTU/J1587) is released by Axiomatic for engine applications.



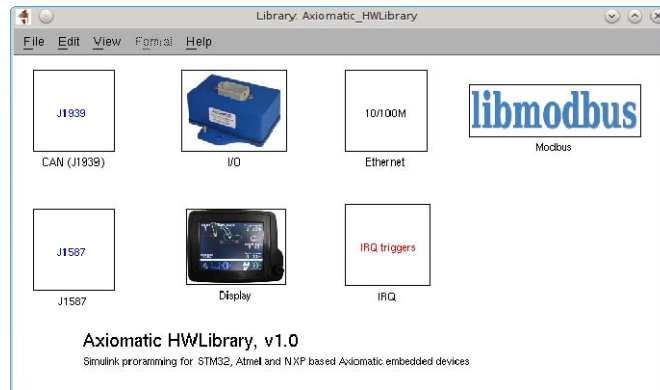
The CAN gateway includes the following features.

- Acts as a gateway or interface between CAN buses with different baud rates and protocols (SAE J1939-SAE J1939 or SAE J1939-CANopen®)
- Fast data exchange between a CAN network (SAE J1939 or CANopen®) and a RS-485 bus (SAE J1587 or Modbus RTU)
- 2 Isolated CAN ports (CAN 2.0B)
- 1 Isolated RS-485 serial port
- Operational from 9 to 36VDC (12VDC, 24VDC nominal)
- Integrated Deutsch IPD 12-pin connector
- Fully sealed enclosure with a rugged IP67 protection rating and compact size
- User configurable using Axiomatic Electronic Assistant®
- Simulink® Development Kit with block library is available in Model AX190000SDK

Applications can include:

- Mobile (Off-Highway) Equipment
- Transport Vehicles
- Power Genset Control Systems – Control Panels for Power Generation, Marine and Oil & Gas Applications

Axiomatic works with **Simulink®** as the software development platform for prototyping in OEM machine control applications. Simulink® is a model-based design tool for from The Mathworks®, Inc. It provides an interactive graphical environment and a customizable block library that lets Axiomatic design and implement application-specific control algorithms via embedded coding tools. Using Simulink®, the OEM machine designer is able to design the data conversion rules between the module interfaces using the Axiomatic Simulink library. The development kit includes SAE J1939, CANopen®, Modbus RTU and J1587 protocols.



Axiomatic provides electronic machine controls, components and systems to the off-highway, military, power generation, material handling, electric vehicle, industrial and alternate energy OEM markets. We provide efficient, innovative solutions that focus on adding value for our customers. We emphasize service and partnership with our customers, suppliers, and employees to build long term relationships and mutual trust.

Notes:

Electronic Assistant® is a registered US trademark of Axiomatic Technologies Corporation.

CANopen® is a registered community trade mark of CAN in Automation e.V.

Simulink® is a registered trademark of The Mathworks, Inc.

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