

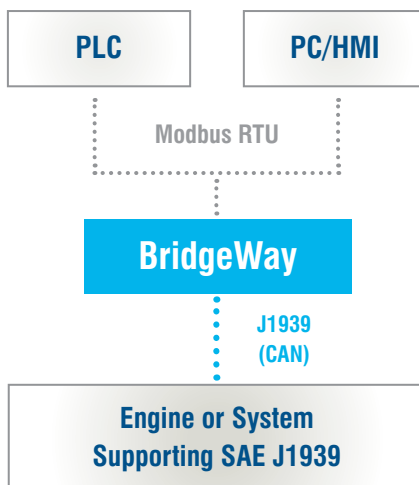
## Benefits

- Low cost with high performance
- Applicable to a wide range of operations, including industrial automation and vehicle networks
- Modular platform with configurable hardware and software
- Adaptable to meet your specific needs

# BridgeWay™

## J1939 TO MODBUS INTERFACE (AB7606)

The BridgeWay J1939 to Modbus Interface (AB7606) connects a Modbus RTU (RS485 serial) network and a J1939 (CAN) network. The AB7606 operates as a Modbus RTU Slave device, allowing a Modbus RTU Master to read and write J1939 PGN data. Configuration of the AB7606 is easy. Pyramid Solutions provides a free downloadable Windows-based configuration tool (BWConfig) for the AB7606. This PC-based software maps J1939 parameter (PGN) data into the AB7606 I/O table memory, which is accessible from a Modbus RTU Master as Modbus registers.



It's as simple as inputting an I/O table containing the J1939 PGNs and the rate to read or write them from the network. BWConfig maps the I/O table to a range of Modbus registers accessible from the AB7606 Modbus RTU interface. After downloading the configuration from BWConfig to the AB7606 via an RS232 connection, it saves in flash memory. You can also upload an existing configuration from the AB7606 for comparison or to update the configuration.

## Key Features

- Configuration via free Windows-based software tool (BWConfig)
- Supports Flash field upgrades
- LED network and module status indicators
- DIN (includes DIN rail mount)
- Rugged extruded aluminum enclosure
- Brand label/OEM options
- Supports SAE J1939 (CAN) and Modbus RTU Slave (serial RS485)
- Support for J1939 CAN baud rates of 125K, 250K and 500K
- J1939 diagnostic monitoring with DM-1 and DM-2 message support
- Monitor up to 120 J1939 PGNs and transmit up to 100 PGNs

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SOLUTIONS

## About Pyramid Solutions

Pyramid Solutions develops products and innovative solutions for organizations in a wide range of industries – from financial institutions to insurance providers to automotive suppliers and industrial automation companies. Our experts specialize in three core practices – Enterprise Content Management, Intelligent Manufacturing and Network Connectivity. For the past 25 years we have developed visionary solutions that yield exceptional results.

## Specifications for AB7606

- Mechanical dimensions: L=4.96" (126 mm); W=4.30" (109 mm); H=1.65" (42 mm)
- Approximate weight: 16 oz
- Operating voltage: 11 – 32 VDC
- Current requirements: 93-95 mA at 24 VDC
- Operating temperature: 0 - 70° C
- EMC compliance: EN50081-2 and EN50082-2
- Certifications: CE and cULus
- UL certification: E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp code T4
- ATEX certification: ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03

## Optional Accessories

### AB7606 Configuration Kit (Part No. AB7606-CFG)

- 3 meter 25-to-9 pin serial cable used to configure the module with BWConfig software
- Latest version of our AB7606 User Manual, BWConfig software, application notes and sample configurations

### AB7606 15 Pin Connector and Backshell Kit (Part No. AB7606-CON)

Connect AB7606 to a J1939 Network, Module Power and Modbus RTU RS485 network:

- 15 pin D connector with numbered solder cups

## Get Up-and-Running

Need help designing, configuring or integrating your BridgeWay or network solutions?

Our Network Connectivity Team is available to assist you with any of your needs. By applying industry and domain knowledge, our engineers solve technical challenges to help you get up-and-running and stay on your feet. We also provide a range of consulting services:

- Solution network design, installation and configuration assistance
- BridgeWay and network training
- Remote support/consulting services
- On-site services
- Custom enhancements and PC software applications