Network Connectivity
Product Directory

BridgeWay Gateways
NetStax Protocol Stack Source Code
NetStax DLLs, Middleware & Drivers
NetStax Development & Testing Tools
**EtherNet to DeviceNet (BW4030)**

The BW4030 enables an EtherNet/IP Scanner or Modbus TCP Master PLC, HMI or other compatible devices to monitor and control on a DeviceNet network. The gateway operates as a DeviceNet Master or Slave and provides the ability to bridge on-demand DeviceNet messages directly from EtherNet/IP or Modbus TCP on a DeviceNet network.

- Ethernet/IP or Modbus TCP to DeviceNet Gateway
- DIN rail mountable
- Temp range: -25 - 70 °C
- USB configuration
- Monitor/control up to 63 DeviceNet slave devices
- Dimensions: L=4.33” (110 mm) W=1.38” (35 mm) H=3.98” (101 mm)

**PROFIBUS to DeviceNet (AB7605)**

The AB7605 enables a PROFIBUS DP Master PLC, HMI or other compatible devices to monitor and control a DeviceNet network. It operates as a Master or Slave on a DeviceNet Network and supports PROFIBUS Diagnostics.

- PROFIBUS DP to DeviceNet
- DIN rail mountable
- Temp range: 0 - 70 °C
- Monitor/control up to 63 DeviceNet slave devices
- Metal enclosure
- Dimensions: L=4.96” (126 mm) W=4.30” (109 mm) H=1.65” (42 mm)

**Ethernet to J1939 (BW4031)**

The BW4031 enables an EtherNet/IP Scanner or Modbus TCP Master PLC, HMI or other compatible devices to monitor and control on an SAE J1939 (CAN) network. You can monitor PGN messages, including DM1 and DM2, send scheduled PGN messages and bridge on-demand PGN messages directly from EtherNet/IP or Modbus TCP on a J1939 network.

- EtherNet/IP Adapter or Modbus TCP Slave to J1939 Gateway
- DIN rail mountable
- Temp range: -25 - 70 °C
- USB configuration
- Dimensions: L=4.33” (110 mm); W=1.38” (35 mm); H=3.98” (101 mm)
**PROFIBUS to J1939 (AB7614)**

The AB7614 enables a PROFIBUS DP Master PLC, HMI or other compatible devices to monitor and control on an SAE J1939 (CAN) network. It can monitor PGN messages, including DM1 and DM2, send scheduled PGN messages on a J1939 network and supports PROFIBUS diagnostics.

- PROFIBUS DP to J1939
- DIN rail mountable
- Temp range: 0 - 70 °C
- Metal enclosure
- Dimensions: L=4.96” (126 mm) W=4.30” (109 mm) H=1.65” (42 mm)

**J1939 to Modbus Interface (BW2031)**

The BW2031 enables a Modbus RTU Master PLC, HMI or other compatible devices to monitor and control on an SAE J1939 (CAN) network. The BridgeWay Gateway can monitor PGN messages, including DM1 and DM2. It can also send PGN messages and bridge on-demand messages directly from Modbus RTU on a J1939 network.

- J1939 to Modbus RTU (RS-485 2-wire) Interface
- DIN rail mountable
- Temp range: -25 - 70 °C
- USB configuration
- Dimensions: L=4.33” (110 mm)

**Ethernet to J1939 (AB7645)**

The AB7645 enables an EtherNet/IP Scanner or Modbus TCP Master PLC, HMI or other compatible devices to monitor and control on an SAE J1939 (CAN) network. It can monitor PGN messages, including DM1 and DM2 and send scheduled PGN messages on a J1939 network.

- Ethernet to J1939
- DIN rail mountable
- Temp range: 0 - 70 °C
- Metal enclosure
- Dimensions: L=4.96” (126 mm) W=4.30” (109 mm) H=1.65” (42 mm)
EtherNet to DeviceNet (AB7603)

The AB7603 enables an EtherNet/IP Scanner or Modbus TCP Master PLC, HMI or other compatible devices to monitor and control on a DeviceNet network. It can operate as a DeviceNet Master or Slave and provides the ability to bridge DeviceNet messages directly from EtherNet/IP to a DeviceNet network.

- Ethernet/IP or Modbus TCP to DeviceNet Gateway
- DIN rail mountable
- Monitor/control up to 63 DeviceNet slave devices
- Temp range: 0 - 70 °C
- Metal enclosure
- Dimensions: L=4.96” (126 mm) W=4.30” (109 mm) H=1.65” (42 mm)

J1939 to Modbus Interface (AB7606)

The AB7606 enables a Modbus RTU Master PLC, HMI or other compatible devices to monitor and control on an SAE J1939 (CAN) network. It can monitor PGN messages, including DM1 and DM2, send scheduled PGN messages on a J1939 network.

- J1939 to Modbus RTU (RS-485 2-wire) Interface
- DIN rail mountable
- Temp range: 0 - 70 °C
- Metal enclosure
- Dimensions: L=4.96” (126 mm) W=4.30” (109 mm) H=1.65” (42 mm)

NetStax™ Protocol Stack Source Code

EtherNet/IP Adapter Development Kit (EADK)

Introduce EtherNet/IP Adapter Class (server/target) functionality into your embedded devices and PC/Windows-based applications.

The EADK includes full stack source code that is designed for portability across platforms and operating systems (or no OS). The EADK also includes pre-built 32/64-bit DLLs. Both provide a logical API to quickly enable your devices/systems/applications to act as a server/target for (Class 1) I/O implicit connections, (Class 3) connected explicit connections and unconnected explicit messages. The EADK also enables them to originate unconnected explicit messages and read/write single/multiple tags in Rockwell PLCs (via UC messages only).
Protocol Stack Source Code

**EtherNet/IP Scanner Development Kit (ESDK)**
Introduce EtherNet/IP scanner and adapter class (client/originator and server/target) functionality into your embedded devices/systems and PC/Windows-based applications.

The ESDK includes full stack source code that is designed for portability across platforms and operating systems (or no OS). The ESDK also includes pre-built 32/64-bit DLLs. Both provide a logical API to quickly enable your devices, systems and applications to originate (Class 1) I/O implicit connections, (Class 3) connected explicit connections and unconnected explicit messages. The ESDK also enables them to act as a server for these connections and messages and read/write single/multiple tags in Rockwell Automation PLCs.

**DeviceNet Slave Development Kit (DSDK)**
Add scalable DeviceNet Slave (server) functionality to your embedded devices and systems.

The DSDK contains full source code for a full-featured DeviceNet Slave stack, designed for portability across platforms and operating systems (or no OS).

**DeviceNet Master Development Kit (DMDK)**
Integrate field-proven DeviceNet Master (client) and I/O scanner source code into your DeviceNet products. The source code operates in a real-time multitasking operating system that supports messaging queues, event flag recognition, interruption handling and timer functions.

**ControlNet Scanner Development Kit (CSDK)**
Add ControlNet Scanner, Adapter and Message Class functionality to products with NetStaX CSDK. The CSDK gives product developers a complete set of functions to enable ControlNet connectivity without the need for detailed knowledge of the product.
CANopen Master Development Kit (COMDK)
The COMDK introduces CANopen Master functionality into your products and systems. Quickly and easily develop master and slave devices and serve one or multiple CAN-controllers in one device with COMDK.

CANopen Slave Development Kit (COSDK)
The COSDK introduces CANopen Slave functionality to products and systems. It facilitates simple and rapid development of slave devices and serves one or multiple CAN controllers in one device.

PROFINET Device Development Kit (PDDK)
Introduce PROFINET Device (Slave) functionality into products and systems. The PDDK provides conformance Class A together with real-time Class 1 and Class UDP functionality.

J1939 Device Development Kit (JDDK)
Introduce SAE J1939 functionality into your products and systems for monitor and control capabilities on a J1939 network.

Achieve the functionality your device/system requires by communicating with ECUs, sensors, I/O and actuators.

The JDDK contains a full source code J1939 stack with diagnostics (DM1 and DM2) support.

ControlNet Adapter Development Kit (CADK)
Add Adapter and Messaging Class functionality to products using field-proven software source code. CADK gives product developers a complete
### DLLs, Middleware & Drivers

#### The EtherNet/IP Scanner DLL Kit (EIPS)

EIPS introduces EtherNet/IP Scanner and Adapter Class (Client/Originator and Server/Target) functionality into your PC/Windows-based applications and products.

The EIPS includes pre-built 32/64-bit DLLs with a logical API to quickly enable your applications to originate (Class 1) I/O implicit connections, (Class 3) connected explicit connections and unconnected explicit messages. The EIPS also enables your application to act as a server for these connections and messages and read/write single/multiple tags in Rockwell PLCs.

#### EtherNet/IP Adapter DLL Kit (EIPA)

The EtherNet/IP Adapter DLL Kit brings EtherNet/IP Adapter Class (server/target) functionality to your PC/Windows-based applications and products.

The EIPA includes pre-built 32/64-bit DLLs with a logical API to quickly enable your applications to act as a server/target for (Class 1) I/O implicit connections, (Class 3) connected explicit connections and unconnected explicit messages. The EIPA also enables your application to originate unconnected explicit messages and read/write single/multiple tags in Rockwell PLCs.

#### EtherNet/IP Middleware and Driver Package (EIPLD-M)

Interface your Motorola/Zebra XR440, 450, 480 or FX7400 series fixed-RFID reader to Rockwell Automation ControlLogix/CompactLogix Controllers or any other EtherNet/IP Scanner Class (client) device to command RFID devices to read/write RFID tags using standard EtherNet/IP messaging.
Development & Testing Tools

CANable Lite
CANable Lite is a simple, inexpensive and easy-to-operate PC/Windows tool (contains the CANable Lite software and a USB to CAN Adapter) that allows you to view the J1939 PGN (parameter group number) messages on a J1939 network, taking the guesswork out of integration and troubleshooting.

EtherNet/IP Scanner Simulator
EIPScan can quickly get you communicating with EtherNet/IP - connected devices and systems.
EIPScan is an application that operates on a standard Windows PC and Ethernet port(s).
EIPScan is widely used for development, testing and debugging of EtherNet/IP products, end-of-line testing, field testing and demonstrating your EtherNet/IP products to end customers.

EtherNet/IP Device Interoperability Test Tool (EDITT)
EDITT is a specialized software tool that automates the Adapter Test sections of the ODVA EtherNet/IP Interoperability Plugfest Test procedure.
EDITT is a PC/Windows software application that runs on standard PC hardware.

MasterSim Lite
MasterSim Lite is a simple and easy-to-operate Modbus RTU Master Simulator package (contains the MasterSim Lite software and a USB to RS485 Adapter) for use with our AB7606 and BW2013 J1939 to Modbus Interfaces.
MasterSim Lite quickly confirms that the gateway device is functioning properly before or during integration with an actual Modbus RTU Master PLC or other devices.
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