Benefits

- 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

- Enables existing or new DeviceNet networks to connect to incompatible control networks

- Replaces high cost computer gateways and PLC scanners

- Rapid installation and configuration
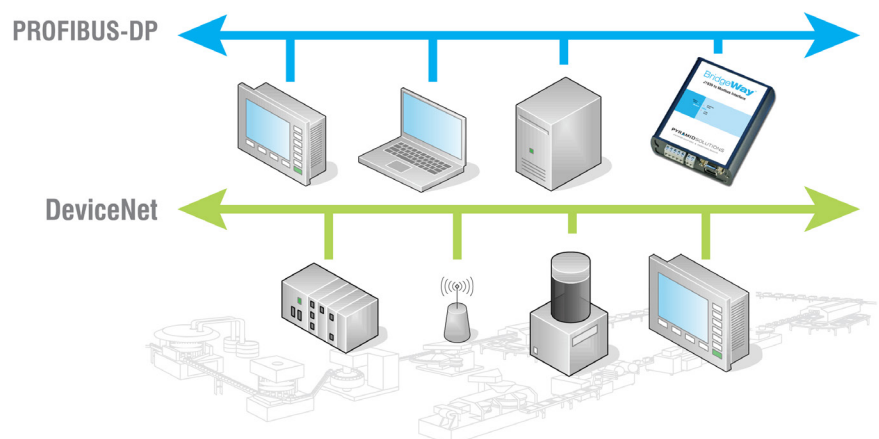
- Superior product support

Bridge**Way**™

PROFIBUS TO DEVICENET GATEWAY (AB7605)

The BridgeWay Profibus to DeviceNet Gateway (AB7605) connects a Profibus network and a DeviceNet network. This compact, DIN rail-mountable device solves a mission-critical problem by connecting existing or newly installed DeviceNet networks to Profibus Master PLCs, Scanners, HMIs or DCSs. The AB7605 is the proven choice to monitor and control devices on a DeviceNet network from any Profibus Master.

The gateway operates as a Profibus Slave, allowing a Profibus Master to read and/or write data from/to up to 63 DeviceNet Slave devices. The DeviceNet side of the gateway is a full DeviceNet Master and I/O scanner, complete with the Automatic Device Replacement (ADR) feature. With ADR the gateway automatically restores configuration data to a device, once the DeviceNet network replaces a failed device. This eliminates the additional cost of PLC-based DeviceNet scanners and adds connectivity to your DeviceNet networks throughout the plant. The AB7605 also operates as a DeviceNet Slave.

Configuring the gateway is easy with Rockwell Software's RSNetWorx™ for DeviceNet or NetTool-DN-D (available from Pyramid Solutions). Configuration consists of building a scan list of the target devices on your DeviceNet network. This creates the input/output data that will map into Profibus I/O data.

PROFIBUS-DP

DeviceNet

PYRAMID
SOLUTIONS

PYRAMIDSOLUTIONS

Key Features

- Profibus to DeviceNet network connectivity

- Works with a Profibus Master compatible PLC, HMI or DCS

- Complete DeviceNet Master/Scanner for up to 63 DeviceNet Slave devices or can operate as a DeviceNet Slave

- Operates and appears as a Profibus Slave

- Rockwell Software's RSNetWorx™ for DeviceNet or NetTool DN-D (available from Pyramid Solutions) performs the DeviceNet configuration

- Supports Automatic Device Replacement (ADR) functionality (now 128k was 64k)

- Supports Configuration Consistency Value (CCV) functionality

- Supports DeviceNet Quick Connect client functionality

- Supports configurable input safe state behavior

- Allows DeviceNet scanner status to optionally map into the I/O data for Profibus Masters that can't read diagnostic data

- Supports FLASH field updates

- LED network and module status indicators

- DIN (includes DIN rail mount)

- Rugged aluminum enclosure

- Comes with AB7605 EDS and GSD files for configuration tools

Specifications for AB7605

- Mechanical dimensions: L=4.96" (126 mm); W=4.30" (109 mm); H=1.65" (42 mm)

- Operating voltage: 11 – 32 VDC

- Operating temperature: 0 - 70° C

- EMC compliance: EN50081-2 and EN50082-2

- Certifications: CE and cULus

Optional Accessories

AB7605 Configuration Kit (Part No. AB7605-CFG)

- 3 meter 9-to-9 pin serial cable used to configure the module with BWConfig software

- Latest version of AB7605 User Manual, BWConfig software, EDS file and GSD file

Note: To configure the module's DeviceNet Master Scanlist you need NetTool-DN-D (available from Pyramid Solutions) or RSNetworx

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