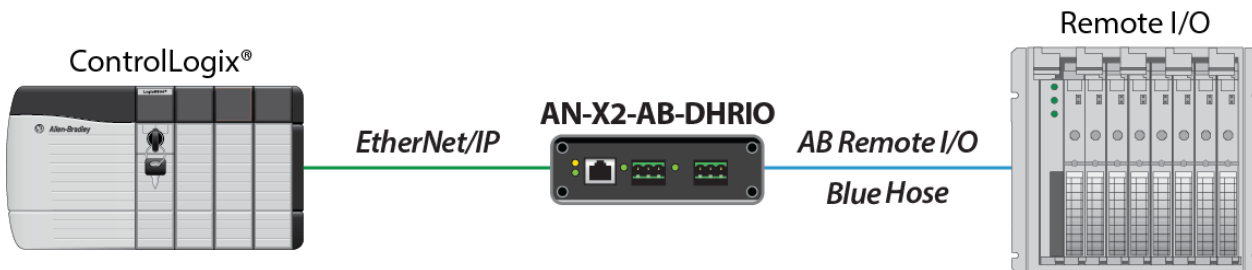# DATASHEET

EtherNet/IP™ to Remote I/O or DH+ Gateway
AN-X2-AB-DHRIO

The AN-X2-AB-DHRIO Gateway is designed to help customers initiate a phased migration approach to replacing or upgrading legacy Remote I/O PLCs, HMI's or Drives. Any of these solutions can be achieved by selecting the corresponding operating mode during initial configuration. The AN-X2-AB-DHRIO has a built in web server that can view diagnostics and current configuration, upload configuration files, and set the operating mode.
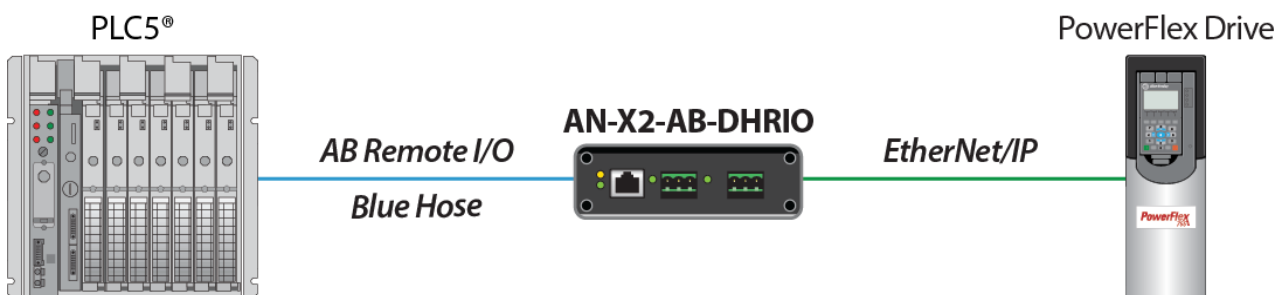
Remote I/O Scanner

This operating mode allows users to replace their existing Remote I/O PLC with a ControlLogix or CompactLogix PAC without having to replace existing racks of I/O.

- Build new controller program without interrupting existing controls, minimizing downtime
- Supports up to 32 racks of Remote I/O
- Supports all Remote I/O baud rates (57.6, 115.2, and 230.4 K baud), and Remote I/O addressing 0-76 octal
- Works with both ControlLogix or CompactLogix
- Auto-Configuration utility discovers baud rate and maps discrete I/O reducing configuration errors

DRIVE

This operating mode supports upgrading legacy Allen Bradley drives on Remote I/O to new EtherNet/IP enabled drives

- No changes to PLC code required
- Supports up to 4 EtherNet/IP drives
- Configurable with 1/4, 1/2 and full rack addressing
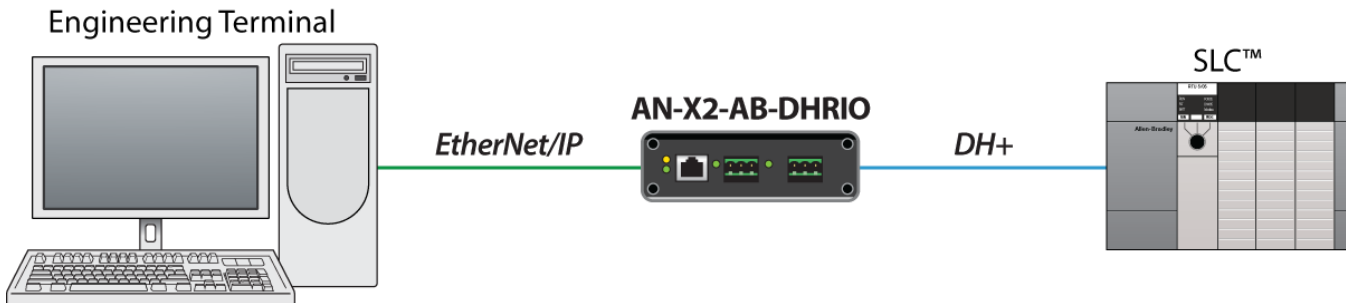- Supports all PowerFlex drives on EtherNet/IP

HMI

This operating mode allows legacy PanelViews on Remote I/O to be upgraded to a PanelView Plus or a PanelView Plus 6 on EtherNet/IP.

- No changes to PLC code required
- Supports up to 8 PanelViews on the same network
- Not compatible with DH+ PanelView upgrades

DH+

This operating mode acts as a bridge between an EtherNet/IP and a Data Highway Plus network.

- Programming terminals, and/or processors on an EtherNet/IP network can access legacy processors on a DH+ network
- Download to a PLC5 or SLC through RSLinx
- Configured through web browser
- Supports all DH+ baud rates (57.6, 115.2, and 230.4 K baud)
- Communication must be initiated from the EtherNet/IP side, DH+ Messages cannot be sent to EtherNet/IP devices
- Does not support communication with DH+ PanelViews

Remote I/O Adapter

This operating mode allows PLC's on Remote I/O to share data with a newer ControlLogix or CompactLogix PAC's. This mode also allows a ControlLogix processor to monitor Block Transfer and I/O data on an active Remote I/O network without occupying a drop.

- Supports up to 15 EtherNet/IP I/O connections to a Logix Processor
- Supports any combination of Remote I/O rack addressing
- Auto configures rack addressing and baud rate

Hardware Specifications

Specification	Description
Ports	1 RJ45 10/100 Mbps Ethernet port
	1 Phoenix 3-pin power connector
	1 Phoenix 3-pin connector network connector
Typical Power Consumption	200 mA @ 12 Vdc or 100 mA @ 24 Vdc
Maximum Power Dissipation	2.4 W
Operating Temp	32°F to 122°F (0 ºC to 50 ºC)
Storage Temperature	-40°F to 185°F (-40 ºC to 85 ºC)
Dimensions	107 mm x 126 mm x 34 mm (4.18 in x 4.97 in x 1.33 in) Not including connectors
Humidity	5% to 95% RH, with no condensation
Desktop use or DIN Rail Mountable	