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, Drives or Flex I/O Adapters. These solutions can be achieved by selecting the corresponding operation mode during initial configuration. The AN-X2-AB-DHRIO has a built-in web server that can display diagnostics data, configuration, upload configuration files, and set the operation mode.

Note: *Now supports DH+ migrations on SLC networks. Some PLC code change may be required see TN143269-001 DH+ to EIP PV Migration for SLC networks.pdf for more information.*

DRIVE

This 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 mode allows legacy PanelViews on Remote I/O or DH+ to be upgraded to a PanelView Plus, PanelView Plus 6 or PanelView Plus 7 on EtherNet/IP.

- No changes to PLC code required
- Supports up to 8 PanelViews on the same network
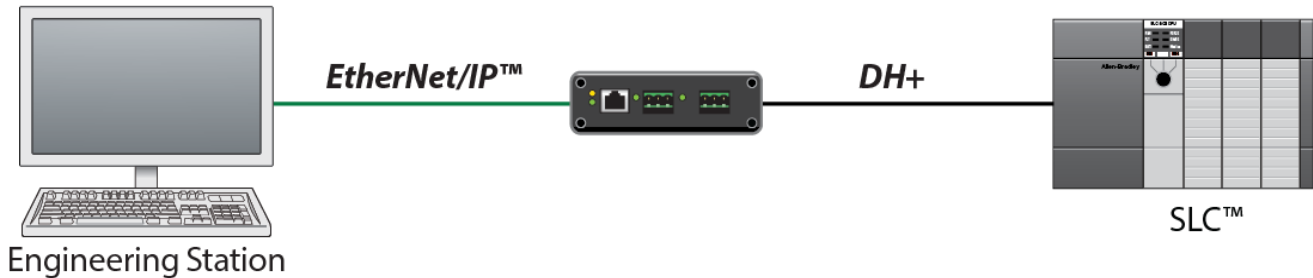- Support for DH+ to EtherNet/IP PanelViews upgrades on PLC5 or SLC networks

Remote I/O Scanner

This 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 to 76 octal
- Works with both ControlLogix or CompactLogix
- Auto-Configuration utility discovers baud rate and maps discrete I/O reducing configuration errors

DH+

This 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
- Configures through web browser
- Supports all DH+ baud rates (57.6, 115.2, and 230.4 K baud)
- Support for DH+ to EtherNet/IP PanelViews upgrades on PLC5 or SLC networks

Flex I/O Scanner

This mode allows PLC's on Remote I/O to connect to and control 1794-AENT EtherNet/IP Flex adapters.

- Designed to replace obsolete 1794-ASB adapters
- Supports up to 16 EtherNet/IP connections
- Each adapter and rack of discrete count as a single connection. Each analog module counts as a single connection

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 x 126 x 34 mm (4.18 x 4.97 x 1.33 in) Not including connectors
Humidity	5% to 95% RH, with no condensation

Desktop use or DIN Rail Mountable