

EtherNet/IP™

Seamless integration
Studio 5000™
Custom Add-on
Profiles
Cost efficient



In-chassis
Replacement
Big Data

EtherNet/IP Linking Devices

Integrate devices running PROFIBUS, Modbus-TCP or serial protocols into ControlLogix® or CompactLogix® PLCs from Rockwell Automation.

Fast, easy and cost-effective.



Stand-alone EtherNet/IP™ Linking Devices with seamless Studio 5000® integration

HMS Industrial Networks now introduces a new generation of Linking Devices for EtherNet/IP allowing you to connect devices or systems on PROFIBUS, Modbus-TCP or serial, to your Rockwell ControlLogix or CompactLogix environment. The Linking Devices include proven Anybus network communication technology used by millions of devices, and features a unique integration to Rockwell Automation's Studio 5000.



The EtherNet/IP Linking Devices combine the cost-effectiveness of a stand-alone gateway with a unique and seamless Studio 5000-integration.

Why use a Linking Device instead of an in-chassis or PLC communication module?

Improved system architecture

Contrary to an in-chassis module which is physically connected to the PLC, the Linking Devices can be mounted close to the connected machine. This means that it is possible to establish a connection via a single Ethernet cable instead of multiple network specific cables. The Linking Devices support ODVA's Device Level Ring (DLR) for ring topology.

Easier configuration

In-chassis PLC communication modules often require several rungs of ladder logic or function blocks to be written. Integrating this into the already existing code significantly increases the time to complete projects. With an EtherNet/IP Linking Device from HMS, you can access PROFIBUS, Modbus-TCP and serial protocol configuration through your existing Studio 5000 software.

Maximize performance

Since the Linking Devices are stand-alone (distributed), they do not affect PLC backplane performance (PLC execution time), even when large amounts of data is transferred. The PLC simply scans the Linking Device as any other I/O device on the network. This is especially relevant for the PROFIBUS and Modbus-TCP versions which allow for "big data."

Price

The most obvious advantage is price. The Linking Devices are about 40-70% less costly than an in-chassis PLC communication module.

System integration just got a whole lot easier

"The EtherNet/IP Linking Devices from HMS Industrial Networks make it a lot easier to connect CompactLogix and ControlLogix PLCs to existing devices and systems on PROFIBUS, Modbus-TCP or serial. The products are unique in the sense that they have a very tight integration to Studio 5000. All configuration is made from inside your familiar Rockwell environment using Custom Add-On Profiles.

Named and structured Studio 5000 controller tags can be automatically generated without the need for any ladder logic or Add On Instructions.

The Linking Devices still have the benefits of stand-alone gateways allowing you to connect them directly to your devices in a distributed topology instead of the PLC cabinet. This will save you a lot of money on wiring.

Markus Bladh
Product Manager, HMS Industrial Networks




EtherNet/IP to Modbus-TCP Linking Device

Connect any equipment on Modbus-TCP to a Rockwell PLC.



EtherNet/IP to Serial Linking Device

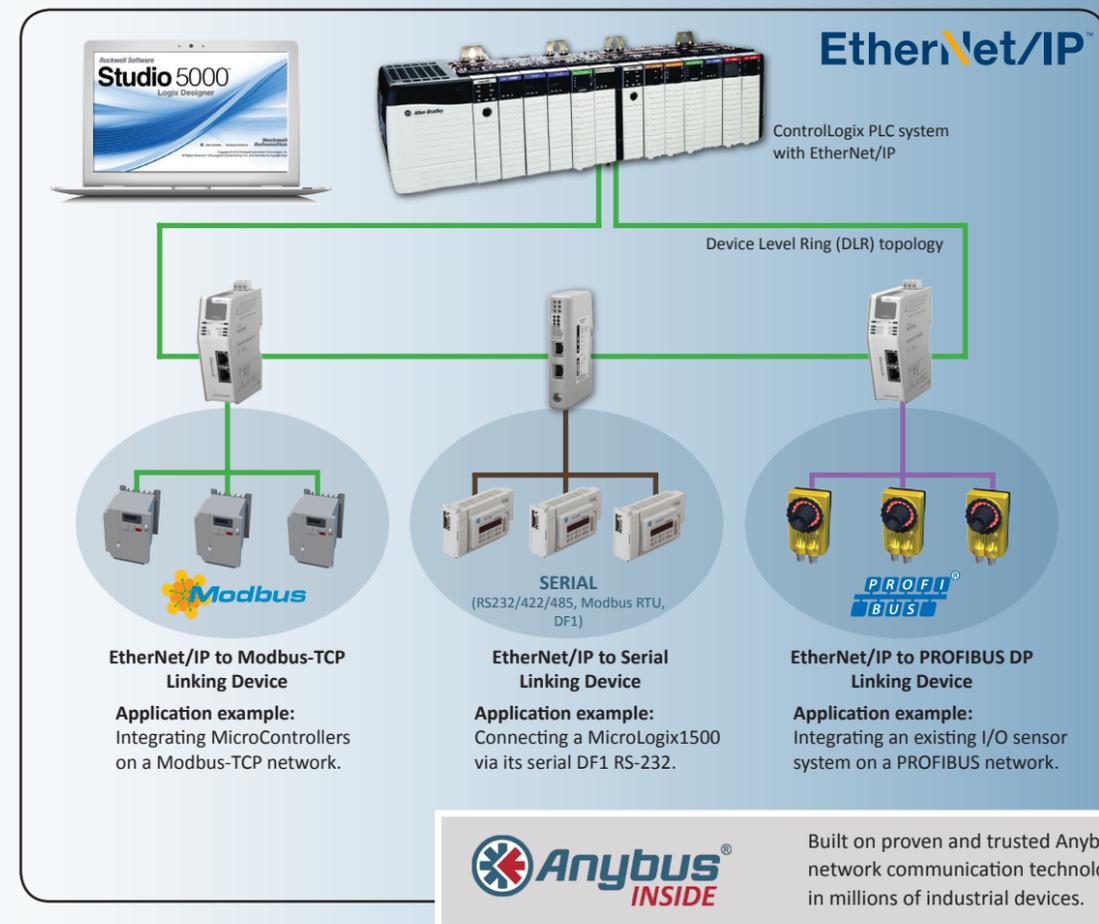
Connect any serial equipment (RS232/422/485, Modbus RTU or Rockwell DF1) to a Rockwell PLC.



EtherNet/IP to PROFIBUS DP Linking Device

Connect any equipment on PROFIBUS DP/DPV1 to a Rockwell PLC.

CompactLogix application examples:



Read more: www.encompass.hms-networks.com

HMS Industrial Networks

HMS Industrial Networks provides reliable solutions for industrial communication and remote management through the Anybus®, IXXAT® and Netbiter® brands and products. HMS's knowledgeable staff along with distributors and partners in over 50 countries worldwide, are there to help you and your business increase productivity and performance while lowering cost and time to market.



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