



EtherNet/IP™



DEVICEMASTER® | Industrial Ethernet Gateways

ABOUT DEVICEMASTER PRODUCTS

At Pepperl+Fuchs Control, we believe gateways should be intelligent, robust, and easy to use.

With its web-based configuration, example programs, and simplified interfaces, the DeviceMaster Industrial Ethernet Gateway delivers near plug-and-play Industrial connectivity.

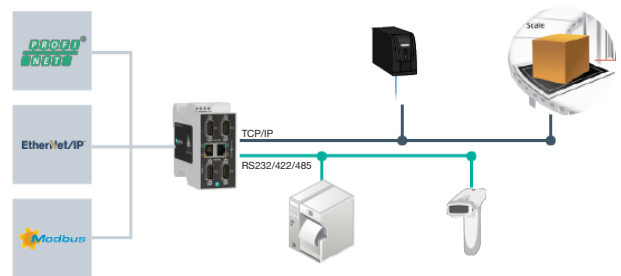
The DeviceMaster Industrial Ethernet Gateway provides innovative EtherNet/IP, Modbus, and PROFINET IO connectivity to a wide variety of devices. It can enable you to quickly connect PLCs and applications to devices such as barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, and sensors.

If you need PLC connectivity and want it done quickly and easily, the DeviceMaster is the solution for you.



HIGHLIGHTS

- **Protocol Flexibility** — EtherNet/IP, PROFINET IO, Modbus/TCP, Modbus/RTU, Modbus/ASCII and Modbus to EtherNet/IP
- **Interprotocol Conversion** - Modbus ASCII/RTU and/or Modbus TCP to Ethernet/IP
- **PLC Integration Files**- EDS for EtherNet/IP and GSDML for Profinet
- **DualConnectPlus™ Technology**—simultaneously connects both serial and Ethernet TCP/IP devices to PLCs and/or applications
- **Web-based configuration**—makes configuration changes quick and easy
- **Large received packet support** — up to 1518 bytes serial and 2048 bytes Ethernet TCP/IP
- **Intelligent packet identification** — intelligent start/end transmission character handling
- **Received packet size control** — truncate or drop oversized packets
- **Diagnostic Capabilities** — informative message logs, communication, and status pages
- **Daisy Chaining** — on select models, dual Ethernet ports for daisy chaining network connections between multiple units
- **Variable power input** — eliminates the need for power converters
- **Temperature rated for extreme conditions**—operating temperature of -37° to 74°C enables DeviceMaster UP to function in a wide variety of harsh environments
- **Rugged housing** — with panel, rack, and DIN rail mounting options
- **PortVision™ Plus enterprise monitoring and management software** — enables user to view status, update firmware, and resolve issues remotely
- **RoHS2 compliant under CE**
- **Available Models** — 1-port, 2-port 1E, 2-Port 2E, and 4-port
- **Low latency** — typically less than 10 ms



Your automation, our passion.



MODBUS SOLUTION HIGHLIGHTS

Three separate firmware applications for maximum flexibility.

Modbus/TCP Firmware:

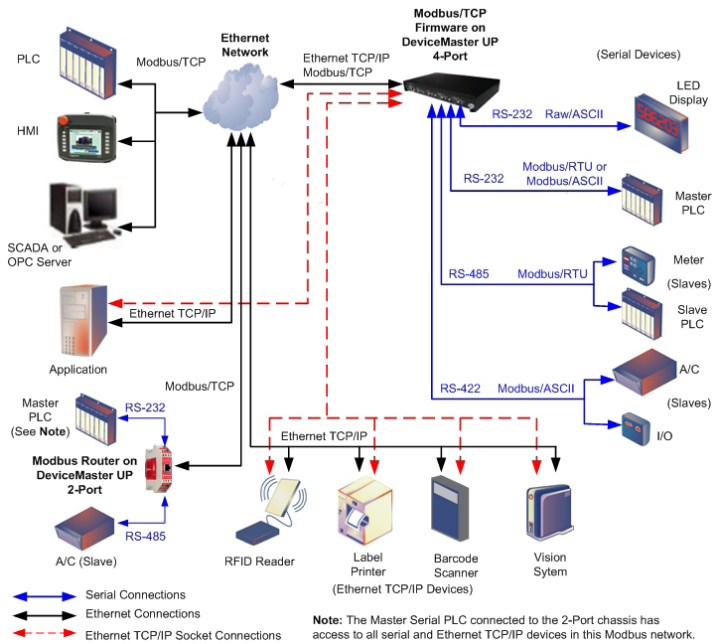
- Many **unique Raw/ASCII handling features**
- Multiple Modbus master and slave types
- **Automatic protocol conversions and routing**

Modbus Router Firmware:

- More Modbus master and slave types
- **Automatic protocol conversion and routing**
- Turn **serial Modbus masters into Modbus/TCP masters** for network wide connectivity

Modbus Server Firmware:

- Modbus/RTU over Ethernet master(s) to serial slave(s)
- Up to **six Ethernet connections** per serial port

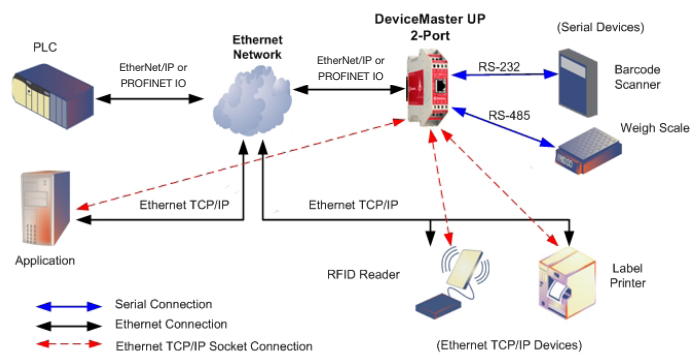


ETHERNET/IP HIGHLIGHTS

- **Supports Allen Bradley** ControlLogix, CompactLogix, FlexLogix, SoftLogix, SLC 5/05, PLC-5, and MicroLogix PLCs
- **Three methods of receive communication to the PLC**—Write-to-Tag/File, Write-to-Tag/File-Synced, and Polling
- **Vendor Specific CIP objects**—configuration, data transfer, and statistics

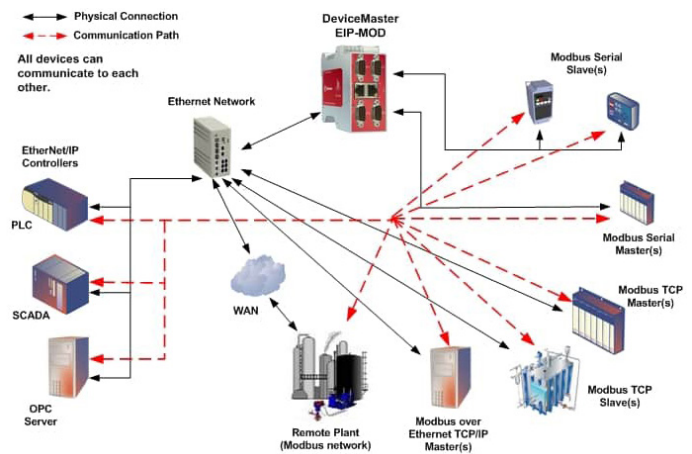
PROFINET IO HIGHLIGHTS

- **Supports** all PROFINET IO enabled PLCs
- **Low-latency updates** - cycle times of 8ms IO with packets less than 220 bytes
- **Lab certified** to PROFINET standards



ETHERNET/IP TO MODBUS HIGHLIGHTS

- **Connect virtually any EtherNet/IP based PLC, SCADA, HMI, or OPC Server to most any Modbus master or slave device.**
- **Three methods of receive communication to the PLC**—Write-to-Tag/File, Write-to-Tag/File-Synced, and Polling
- Modbus masters to other Modbus masters
- Set up a Modbus concentrator to lessen the load on Modbus masters and/or EtherNet/IP controllers



Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

+1.763.957.6000
sales@comtrol.com

Technical Support

+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support

info@comtrol.com
ftp.comtrol.com
www.comtrol.com