

Pyramid Solutions' NetStaX™ EtherNet/IP to LLRP Middleware & Driver Package (part number EIPLD-M) enables you to quickly interface your Motorola XR440, 450 or 480 series fixed RFID Reader to ControlLogix or CompactLogix controllers via EtherNet/IP. The EIPLD-M also works with any other compatible EtherNet/IP Scanner Class (Client) device, since it utilizes standard methods of communicating with the RFID Reader on EtherNet/IP.

The EIPLD-M installable software includes Middleware and a Driver that can be loaded onto a supported RFID Reader to add EtherNet/IP Adapter Class connectivity to the device. It utilizes the reader's existing Low Level Reader Protocol (LLRP) interface to allow the host PLC or other controller to configure / command the reader and to read / **write (New for version 1.2)** RFID tag data through EtherNet/IP, using standard EtherNet/IP messaging.

Since no PC or other hardware / software is required, your plant floor equipment and cabling requirements are simplified, points of failure are eliminated, making this solution extremely cost effective.

The EIPLD-M product package consists of installable middleware & driver, installation & license manager utility, user documentation and sample PLC logic (ControlLogix) that demonstrates how the controller interacts with the RFID Reader via EtherNet/IP to read / write tag data through one or more connected antennas and to control each individual antenna.

The EIPLD-M Middleware and Driver is distributed under a Node (per RFID Reader) license.

- ★ **No PC, widgets or other software required!**
- ★ **Enables EtherNet/IP Adapter Functionality**
- ★ **Works on XR440, 450 & 480 RFID Readers**
- ★ **Works with ControlLogix & CompactLogix**



### EIPLD-M Product Features & Package Description

- **EtherNet/IP Compatibility**
  - ✓ Enables EtherNet/IP Adapter Class functionality for the reader
  - ✓ Uses Class 1 (I/O) messaging for efficiency and ease of programming
  - ✓ Assembly objects contain tag data, configuration & command information
  - ✓ Also supports Explicit Messaging
  - ✓ Requires minimal logic to interact with the RFID reader
- **Motorola RFID Reader Compatibility**
  - ✓ Compatible with Motorola XR440, 450 and 480 Series RFID Readers
  - ✓ Requires no additional resources or hardware changes to the reader
- **EIPLD-M Product Key Features:**
  - ✓ Supports Multiple Read Points (Antennas)
  - ✓ Operates in Autonomous or On Demand mode
  - ✓ Allows controller to enable/disable and set power for individual antennas
  - ✓ Enables direct communications with the host controller; no PC required!
- **Complete EIPLD-M Product Package includes:**
  - ✓ EtherNet/IP to LLRP Installable Middleware & Driver
  - ✓ Software Reference Manual
  - ✓ Sample PLC Logic (ControlLogix)
  - ✓ EDS Files
  - ✓ Built-in product specific phone / email Technical Support
- **Available Services:**
  - ✓ Consulting & Integration Services (contact us for details and for a quote)
  - ✓ Middleware customization for application specific functionality
- **Order Information:**
  - ✓ Part Number: EIPLD-M



**No PC or  
Widgets  
Required!**

**EtherNet/IP**

**ControlLogix, CompactLogix  
or compatible  
EtherNet/IP Scanner Device**

EtherNet/IP is a registered trademark of ODVA



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