

NetStaX EIPLD-M

EtherNet/IP to LLRP Middleware and Driver

Pyramid Solutions' NetStaX™ EtherNet/IP to LLRP Middleware and Driver Package (part number EIPLD-M) enables you to quickly interface your Motorola FX7400, 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 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 and points of failure are eliminated, making this solution extremely cost effective. Systems Integrators will also benefit from this solution, since minimal logic is required to interface to the Reader via EtherNet/IP.

The EIPLD-M product package consists of installable middleware and driver, installation and 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 are distributed under a Node (per RFID reader) license.

EIPLD-M Product Features and 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 and command information
- Also supports Explicit Messaging
- Requires minimal logic to interact with the RFID reader

Motorola RFID Reader Compatibility

- Compatible with Motorola FX7400, XR440, 450 and 480 RFID readers
- Requires no additional resources or hardware changes to the reader

EIPLD-M Key Features

- Supports multiple read points (Antennas)
- Operates in Autonomous, On Demand or Trigger mode
- Allows controller to enable/disable and set power for individual antennas
- Performs EPC inventory
- Allows read/write capability for all four Class1 Gen2 Tag Memory Banks
- Enables direct communications with the host controller; no PC required!

Complete EIPLD-M Product Package includes:

- EtherNet/IP to LLRP Middleware and Driver (Class1 Gen2 RFID tags only)
- 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



EtherNet/IP is a registered trademark of ODVA

- No PC, widgets or other software required!
- Enables EtherNet/IP Adapter functionality
- Works on FX7400, XR440, 450 and 480 RFID readers
- Works with ControlLogix, CompactLogix and other EtherNet/IP Scanner Devices



No PC or Widgets Required

EtherNet/IP



ControlLogix, CompactLogix or compatible EtherNet/IP Scanner Device

Contact us.

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