Net**StaX**™ EIPS

ETHERNET/IP SCANNER DLL KIT

ENABLING CONFORMANT ETHERNET/IP CONNECTIVITY

Pyramid Solutions' NetStaX™ EtherNet/IP Scanner DLL Kit (EIPS) allows you to quickly introduce conformant EtherNet/IP Scanner Class functionality to your PC-based products.

The EIPS stack provides EtherNet/IP I/O Server, I/O Client, Message Server and message Client functionality.

It also provides a logical and manageable Application Programming Interface (API) for interfacing to your application code and utilizes the standard Windows TCP/IP stack, so it can originate as well as act as a target for EtherNet/IP connections and messages.

The EIPS Scanner Class protocol stack can originate a variety of I/O connections based on the user connection configuration set locally via the stack API or remotely over the network via the EIPS Connection Configuration Object (CCO). The CCO provides the interface necessary for software tools.

The EIPS comes with 12 months of download access to the latest version and built in phone/email tech support.

Additional service options are available to assist you with EtherNet/IP requirements, design, EIPS Stack integration, pre-conformance testing and more.
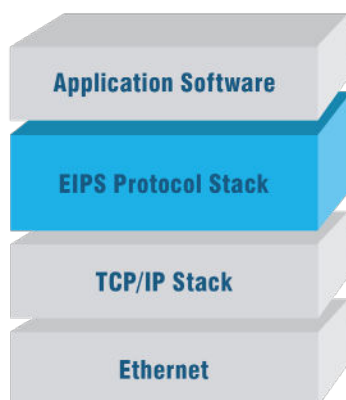
Benefits

- Tested with ODVA CT19
- High performance
- Out-of-the-box examples
- Minimized resources
- Rich set of features
- Works with Window TCP/IP stack and standard PC/Laptop Ethernet NICs

EIPS Contains

- Example scanner class Demo application (binary and source provided)
- EIPS Scanner DLLs (32 & 64bit) with C++ function call API and C# API for Windows and .NET applications
- EIPS Getting Started and Software Reference manuals
- Sample SOC files for pre-conformance testing
- Application notes with code samples
- Sample EDS files

EIPS Features

Resource Utilization and Management

- All resources initialized at startup
- No dynamic memory or thread allocation
- Stack runs on a single thread
- Dynamic registration of additional objects for client application processing

EtherNet/IP Compatibility

- Tested with ODVA CT19
- Enables EtherNet/IP Scanner Class and/or Adapter Class functionality
- UCMM (unconnected) messaging client and server
- Class 3 (connected) messaging client and server
- Class 1 (I/O) connection client and server
- CIP Security*

Platform Compatibility

- Standard Windows TCP/IP stack and PC / Laptop Ethernet NICs
- Microsoft Windows 7, 8.x, 10 and 11
- v5.3.1 examples built and tested with .NET version 4.8
- 32 and 64 bit DLLs included

Supported/Included Objects

- Message router
- Connection manager
- Port
- DLR**
- CIP Sync**
- Modbus translator
- EtherNet link
- TCP/IP
- Connection configuration object
- Assembly
- Identity
- File object
- Class 0 support
- Energy object
- LLDP objects
- User defined objects

The EIPS-SECURE option is required to enable CIP Security features using the SSL Library you provide
**These objects are for configuration only. No DLR or IEEE 1588 software or hardware is provided*

PYRAMID SOLUTIONS

Ether Net/IP™