Net**StaX**™ EIPA-SECURE

ENABLES CIP SECURITY FUNCTIONALITY FOR THE NETSTAX ETHERNET/IP ADAPTER DLL KIT

Benefits

- Tested with ODVA CT19

- Adds Secure Connections to the base EIPA EtherNet/IP connections and messaging

- Prevents malicious EtherNet/IP communications and spying

- Pre-built package for easy integration of existing EIPA applications

- Pre-tested with common Rockwell Automation and Siemens EtherNet/IP devices

Traditional EtherNet/IP networks were not designed with security in mind, meaning spoof devices can easily access your networks and cause mayhem at any time. It is now easier than ever for hackers to interfere or spy on your communications. Make sure they can't.

Built as a code overlay to base EIPA stack, you will have the ability to build base EIPA products as well as products that support CIP Security. The EIPA-SECURE option can be purchased as a package with the EIPA or as an upgrade to a complete EIPA version.

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

Additional services options are available to assist you with EtherNet/IP requirements, design, EIPA and EIPA-SECURE stack integration, pre-conformance testing and more.
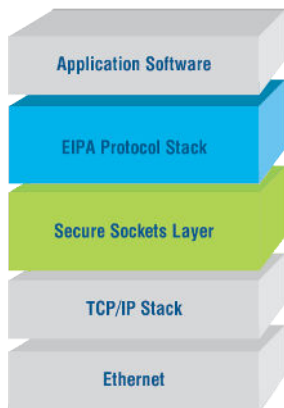
Features Include:

Concurrent Secure and Non-Secure Communications

CIP Security Confidentiality Profile

- Device Authentication

- Data Integrity

- Data Confidentiality

CIP Messaging Over TLS

- UCMM Client

- UCMM Server

- Class 3 Target

CIP IO Over DTLS

- Class 1 Target

Required CIP Security Objects

- CIP Security Object Revision 4

- EtherNet/IP Security Object Revision 8

- Certificate Management Object Rev 1

- File Object Revision 3

- TCP/IP Object Revision 4

Security Configuration

- CIP object interface through the network

- Through the application API for vendor-specific configuration support

- Platform-specific non-volatile storage through platform interface

Security Related API

- Security configuration by application

- Device private key retrieval

- Secure messaging flag for request and connection origination

ODVA Conformance

- Tested with ODVA CT19

Security Related API

- Generic interface allows for integrating the specific SSL library being used

- Example SSL interface implementation is provided for the the following SSL Libraries: *

  » WolfSSL and mbedTLS

    – Windows

PYRAMID SOLUTIONS

Customer is responsible for purchasing and licensing the SSL Library, which is not included

CIP Security