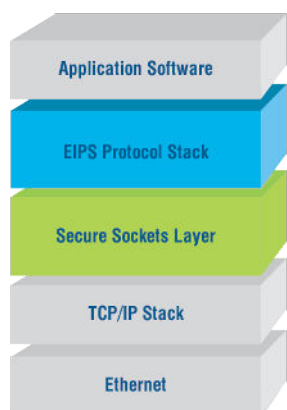


## Benefits

- Tested with ODVA CT19
- Adds Secure Connections to the base EIPS EtherNet/IP connections and messaging
- Prevents malicious EtherNet/IP communications and spying
- Pre-built package for easy integration of existing EIPS applications
- Pre-tested with common Rockwell Automation and Siemens EtherNet/IP devices



**PYRAMID**  
SOLUTIONS

# NetStaX™ EIPS-SECURE

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

Pyramid Solutions' NetStaX EIPS-Secure is an easy to enable security feature set that adds CIP Security functionality to your EtherNet/IP devices.

You can ensure your devices will be able to protect themselves from malicious CIP communications by adding CIP Security functionality. Your devices have no protection from bad actors without built-in security, meaning there's nothing stopping them from attempting to interfere with or spy on EtherNet/IP communications.

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

The EIPS-SECURE optoin 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, EIPS and EIPS-SECURE stack integration, pre-conformance testing and more.

EIPS-Secure has been thoroughly tested to ensure proper functionality and compatibility with EtherNet/IP conformance.

### 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 Originator
- Class 3 Target

##### CIP IO Over DTLs

- Class 1 Originator
- 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
    - Linux
    - Windows

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

