

NetStaX™ EIPS-SECURE

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

Benefits

- Prevents malicious EtherNet/IP communications and spying
- CT20 compliant
- Pre-built package for easy integration of existing EIPS applications
- Pre-tested against common Rockwell Automation and Siemens EtherNet/IP devices

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 simple code overlay by our experienced developers, EIPS-Secure can be added to any compatible EIPS. EIPS-Secure is packaged with 12 months of download access, CIP Security functionality, and built-in support.

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
- EtherNet/IP Security Object
- Certificate Management Object
- File Object
- TCP/IP Object
- LLDP Object

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



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SOLUTIONS

* EIPS-Secure WolfSSL example does require the WolfSSL DLL, which is not included.