

Benefits

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



PYRAMID
SOLUTIONS

NetStaX™ EADK-SECURE

ENABLES CIP SECURITY FUNCTIONALITY FOR THE NETSTAX ETHERNET/IP ADAPTERS DEVELOPERS KIT

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

Without built-in security, your devices have no protection from bad actors attempting to interfere with or spy on EtherNet/IP communications. When you add CIP Security to your devices you ensure they will protect themselves from malicious CIP communications.



EADK-Secure is built as a simple code overlay that can be added to any compatible EADK. EADK-Secure is also packaged with 12 months of download access and built in support in addition to the CIP Security functionality.

Our experienced developers created EADK-Secure 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 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 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

SSL Library Interface

- Generic interface allows for porting to the specific SSL library being used
- SSL interface implementations provided for the following SSL libraries (SSL Libraries not included and must be licensed separately from the 3rd party licensor)
 - » Samples provided for WolfSSL and mbedTLS
 - Linux
 - Windows