

NetStax™ ExDK-SAFETY

Benefits

- Tested with ODVA CT20
- Prevents malicious EtherNet/IP communications and spying
- Pre-built package for easy integration of existing ESDK or EADK applications
- Pre-tested with common Rockwell Automation and Siemens EtherNet/IP devices

ADDS THE FOLLOWING FEATURES TO THE ESDK OR EADK

The ESDK or EADK CIP Safety “Extension” is an optional add-on that provides the connection-related functionality and API to provide EtherNet/IP communications to the HMS / IXAT (“HMS”) CIP Safety protocol stack (CSS), which must be licensed separately from HMS. All CIP Safety protocol is handled by the HMS CSS only and the EtherNet/IP communications are provided by the ESDK or EADK.

The CIP Safety Extension is a collection of source files that are linked with the EADK or ESDK and the HMS CSS.

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

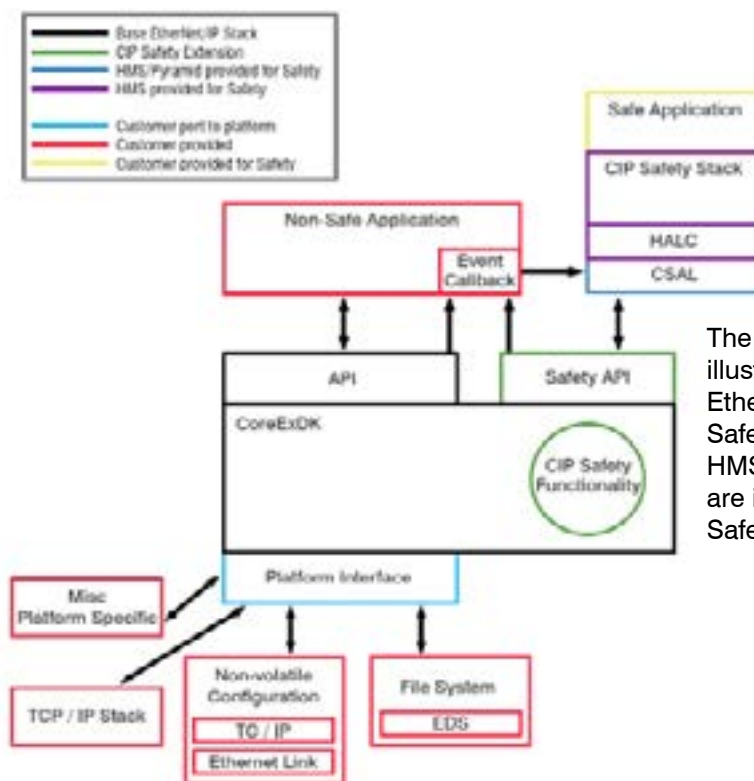
Additional services options are available to assist you with EtherNet/IP requirements, design, ExDK-SAFETY stack integration, pre-conformance testing, and more.

This software solution created by our experienced developers has been thoroughly tested

Features

- Integrates with the CSS through the CSAL/HALC layer
- Safety related parameters added to the connection configuration
- Safety related notification events are used to allow incoming safety messaging to be transferred to the CSS
 - Safety connection validation and establishment
 - Safety connection closing
 - Safety IO data
 - Object requests to Safe Application objects
- Safety API to allow safety events and messaging to be transferred from the CSS
 - Safety connection validation result
 - Safety IO data
- All non-safe ESDK and EADK functionality is maintained

Safety and EtherNet/IP Stack Architecture



The following diagram illustrates how the EtherNet/IP stack, CIP Safety Extension and HMS CIP Safety stack are integrated in a Safety implementation.

Product Ordering Information

The following part numbers have been provided for the ESDK and EADK CIP Safety Extension option:

For the ESDK: P/N ExDK-SAFETY-ESDK

For the EADK: P/N ExDK-SAFETY-EADK

PYRAMID
SOLUTIONS

