

# CIP Safety Target EtherNet/IP Development License

Item number: 1.02.0501.00000

The Ixxat Common Industrial Protocol (CIP) Safety development license enables the implementation of CIP Safety Target devices on EtherNet/IP. It is an advanced solution for reliable and secure communication in industrial environments. This variant includes 10 initial royalties, with the option to purchase more upon consumption (including 12 months updates and maintenance).



*Common Industrial Protocol (CIP) Safety protocol stack*

## Features and benefits

### ✓ Comprehensive safety solution

Ixxat CIP Safety protocol stacks offer a comprehensive solution for porting Common Industrial Protocol (CIP) Safety Software to industrial devices, ensuring strict adherence to high safety standards.

### ✓ Streamlined integration with Ethernet/IP systems

Easy integration with Ethernet/IP systems thanks to provided code examples, allowing for a quick setup and efficient exchange of safe protocol packets between safe and non-safe communication layers.

### ✓ Adaptable to various systems

The interfaces enable portability to different hardware and software platforms, allowing for easy adaption to specific needs and reducing compatibility concerns.

### ✓ Simplified integration and recertification

Easy porting and (re-)certification of CIP Safety software on customer-specific platforms thanks to the included unit tests and the safety manual, along with clearly separated adaptation layers.

### ✓ Tailored implementation

Provided as C source code, allowing for customized integration into secure platforms and creating a solution for various requirements.

### ✓ Operating system independence

The software functions with or without an operating system and enables implementation in a wide range of environments, for high flexibility in deployment.

### ✓ Multi-connection support

The software is capable of handling multiple independent CIP Safety connections to manage several safety protocols simultaneously, increasing overall efficiency and scalability.

### ✓ High safety level assurance

Developed according to IEC 61508 for applications up to SIL 3, in compliance with the latest CIP Safety Specification, the software ensures a high standard of safety and reliable performance.

### ✓ Clear functional overview

The included PC example application offers a clear, detailed overview of functionality and application options of Target and Originator roles. This makes it easier to utilize the system effectively.

### ✓ Supported standards and platforms

Standard: CIP Safety specification in the current version /  
Platforms: PC demo, pre-tested conformance in ODVA Testlab (on PXA255 and ARM Cortex-M3), pre-certified by TÜV Rheinland

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## Identification and Status

Product ID	1.02.0501.00000
Country of Origin	Germany
HS Code	Not Applicable
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Contains Battery	No
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## Certifications and Standards

ETIM Classification	EC001435
TÜV	Yes