

CIP Safety Originator EtherNet/IP Development License

Item number: 1.02.0501.00100

The Ixxat Common Industrial Protocol (CIP) Safety development license enables the implementation of CIP Safety Originator 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

CIP Safety Originator EtherNet/IP Development License



Identification and Status

Product ID	1.02.0501.00100
Country of Origin	Germany
HS Code	Not Applicable
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Contains Battery	No
------------------	----

Certifications and Standards

ETIM Classification	EC001435
TÜV	Yes