

# 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

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## Identification and Status

|   |                        |
|---|------------------------|
| Product ID                                  | 1.02.0501.00100        |
| Country of Origin                           | Germany                |
| HS Code                                     | Not Applicable         |
| Export Control Classification Number (ECCN) | EAR99                  |
| Supply Risk Factor ERP                      | Volume not defined yet |

## Certifications and Standards

|                     |          |
|---------------------|----------|
| ETIM Classification | EC001435 |
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