

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
Export Control Classification Number (ECCN)	EAR99

Certifications and Standards

ETIM Classification	EC001435
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