

## FSoE MainDevice (Master) Product Line License

Item number: 1.02.0502.20100

The Ixxat Functional Safety over EtherCAT (FSoE) product line license enables the implementation of EtherCAT MainDevice (Master) functionalities in safety-critical industrial applications, providing reliable and secure communication. This variant offers unlimited installations within a single customer's product line, which may include various products.



*Functional Safety over EtherCAT (FSoE) protocol stack*

### Features and benefits

- ✓ **Comprehensive safety solution**  
Ixxat Functional Safety over EtherCAT (FSoE) software delivers efficient industrial safety communication, providing a multitude of communication options and robust protocol management.
- ✓ **Multi-instance support for parallel functionality**  
The FSoE software allows parallel instantiation, both for SubDevice and MainDevice functionality, providing a multitude of communication options for the safe applications with a single device.
- ✓ **High safety level assurance**  
Developed according to IEC 61508 for applications up to SIL 3, in compliance with the latest FSoE Specification, the software ensures a high standard of safety and reliable performance.
- ✓ **User-friendly setup**  
The best way to assess the FSoE software is through a PC example application, along with the safety manual guiding through integration, testing procedures, and configuration steps for the software.
- ✓ **Supported standards and platforms**  
Standard: FSoE Specification ETG.5100 (implemented according to latest standard implemented and tested) /  
Platforms: PC demo, conformance tested, pre-certified by TÜV Rheinland
- ✓ **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.
- ✓ **Flexible interface structure**  
The clearly structured software interfaces and abstraction layers enable the use of different non-safe EtherCAT communication interfaces, such as the Anybus CompactCom Module.
- ✓ **Simplified integration and recertification**  
Easy porting and (re-)certification of FSoE 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.
- ✓ **12-month maintenance separately available**  
Optional 12-month updates and maintenance can be purchased separately, ensuring the software stays current and well-maintained for optimal performance and security.



## Identification and Status

Product ID	1.02.0502.20100
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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