Ixxat®
BY HMS NETWORKS

FSoE MainDevice (Master) Product License

Item number: 1.02.0502.10100

The Ixxat Functional Safety over EtherCAT (FSoE) product 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 the same customer's product.

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.

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Identification and Status

Product ID	1.02.0502.10100
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