ISIT FSoE protocol Stack

Safety over EtherCAT

Features and Benefits:
- Integration of Safety communication on EtherCAT network
- Pre-certified IEC 61508 up to SIL 3 level according to architecture
- Modular according to need
- Master or Slave version available
- Generic and easy-to-use programming interface,
- Adaptable to most EtherCAT Master and Slave protocol stacks
- Certifiable to other standards (IEC 62304, DO178, etc.)

Functions overview:
- Management of the two FSoE instances in accordance with the standard
- Timing Control (Cycle Time/Watchdog)
- Data control (CRC/Sequence number)

Example of the delivery content:
- FSoE stack in source version
- User4s manual
- Examples of use on standard Safety Beckhoff equipment
- Support included for the first year
- Certification Kit including Safety Manual and certificate for pre-certified versions
- Certification Pack including the Safety Manual (special version) and test plans for user-certified versions

Additional services:
- Operating System and Hardware porting
- Hardware/software integration
- Development of complete applications
- EtherCAT / FSoE and Functional safety (IEC61508, IEC 62304, DO178,..) trainings

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