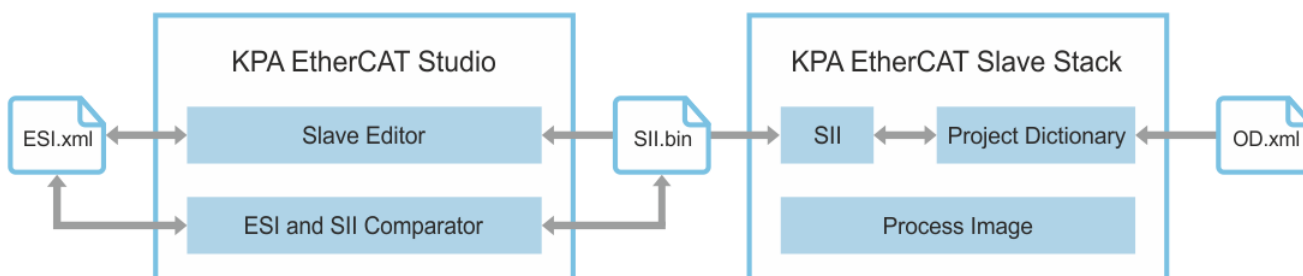# KPA EtherCAT Slave Stack 2 Development Kit

KPA EtherCAT Slave Stack 2 Development Kit (SSDK 2) is a complete tool chain containing the KPA Slave Stack 2 itself, KPA EtherCAT Studio and KPA EtherCAT Master for Windows and other types of OS. It is designed to run on several microcontrollers, CPUs or DSPs. Additionally, KPA offers one year assistance in conformance testing, technical support and update.

KPA EtherCAT Slave Stack 2

- Written in C having powerful cross platform API

- Already adapted to hardware platforms (x86, PPC, ARM) and certain operating systems like Linux, FreeRTOS, OS-less etc.

- SII Editor is a development-tool in KPA EtherCAT Studio for editing slave's EEPROM (SII) and saving consistently as xml (ESI). Reading slave´s info from ESI, binary file or from slave and saving SII data to binary file or load to slave

- ESI and SII Comparator detects differences to compare SII content acquired directly from a slave or provided in a file with highlighted differences

- Samples:
  - Static/dynamic OD generation
  - Mailbox CoE, EoE, FoE, SoE, VoE
  - Platform specific samples: Stm32 sample, uBlaze sample, PCI sample, PC104 sample, Ds402 PCI, etc.

Delivery

- **KPA SSDK 2 Trial**: full-featured obfuscated stack with time limitation 1-hour for running KPA EtherCAT Slave Stack 2, also includes KPA EtherCAT Studio Trial and KPA EtherCAT Master Trial for Windows.

- **KPA SSDK 2**: time-unlimited package with core functionality (CoE Mailbox, Static Object Dictionary, Interrupt Service Routines (ISR)), includes obfuscated KPA EtherCAT Slave Stack 2, KPA EtherCAT Studio and KPA EtherCAT Master for Windows.

- **KPA SSDK 2 Source code**: full-featured stack with no time limitation and with access to ongoing updates and support from our team of high-quality engineers, includes KPA EtherCAT Slave Stack 2 source code and also KPA EtherCAT Studio and KPA EtherCAT Master for Windows