

EtherCAT® in embedded systems

koenig-pa GmbH (KPA) implements EtherCAT Slave Stack requiring merely 55kByte ROM

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Applications, such as digital and analog IOs and the stack share an 8-bit CPU and need no more than 4 KByte of RAM between them. The mailbox protocol CoE (CAN application layer over EtherCAT) is supported. Substantial parts of a CANopen firmware may be reused.

This is a BASIC version for small processors, while the standard version runs on 16 bit / 32 bit microcontrollers with or without operating system; The microcontroller may be SAB 80x16x (Infineon), ARMx (Atmel), ppc 52xx, MPC8536 (Freescale) or DSPs. The object directory CANopen can be automatically generated from an available EDS file in this version.

Supported operating systems include QNX, Linux, Intime, RTX and WindowsCE as well as many others.

Contact

koenig-pa GmbH
Industriestr. 69, 90537 Feucht, Germany
Tel +49 (0)9128 725 652
Fax +49 (0)9128 725 407
marketing@koenig-pa.com
www.koenig-pa.com