

KPA EtherCAT platform

EtherCAT Slave

KPA EtherCAT Slave stack is a cross-platform source code written in “C”.

Hardware Platforms:

- 8, 16 & 32Bit μ C, e.g. 80C16x, x86, ARMx, ppc52xx, ATmega128, Xilinx, Sitara, C2000, ...

Compatible with ESCs:

- Beckhoff ET1x00, Xilinx/Altera FPGAs, TI PRUs, ...

Operating Systems:

- INtime ®, Linux, QNX, RTX, VxWorks, Windows ®, Xenomai, xPC Target

Functionality:

- KPA Basic Version
 - Static Object Dictionary (OD)
 - CoE
 - Flash size \geq 55kB, RAM size \geq 3kB
- KPA Standard Version
 - Dynamic Object Dictionary (OD)
 - CoE, FoE, EoE, SoE, VoE

KPA EtherCAT Slave stack news:

Ti PRUs under Linux / Vxworks

EoE under linux for Ti Sithara

Source code updates related to latest Conformance Test tool
and ETG Specification changes

KPA EtherCAT platform

EtherCAT boards

KPA EtherCAT Boards • 4 CAN Gateway

KPA EtherCAT 4 CAN Gateway is an EtherCAT slave for connection with 4 CAN buses routed to EtherCAT network.

Interfaces:

- EtherCAT: 2x M12
- CAN: 4x M8

Advantages:

- 4 isolated CAN channels (replacement of 4 classic CAN PCI cards)
- Suitable for harsh environments (IP, EMI)
meets the EMI requirements for automotive industry
- Operating system independent



KPA EtherCAT Boards • PCI Interface Card

KPA EtherCAT PCI board (EtherCAT slave with PCI interface).

Hardware:

- 4,2 Mbyte/s
- 8 kByte PDO/SDO, 8 FMMUs, 8 SM

Operating Systems:

- INtime, Linux, QNX, RTX, xPC Target, VxWorks

Functionality:

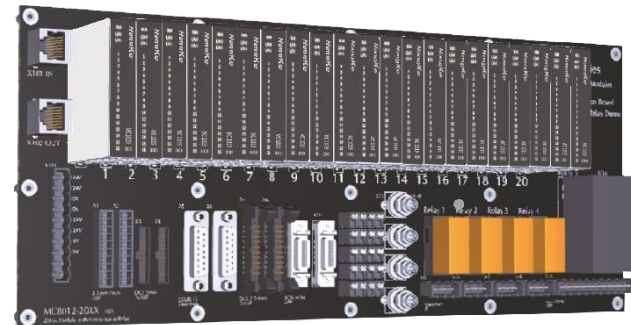
- CoE, EoE, FoE, SoE, VoE
- Distributed Clocks, SDO Complete Access



KPA EtherCAT Boards • PC104 Interface Card

KPA EtherCAT Slaves MC Series:

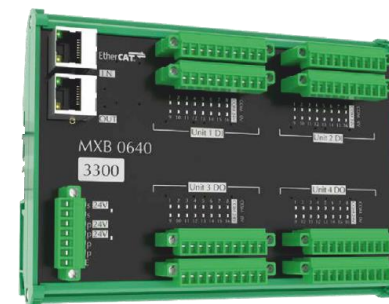
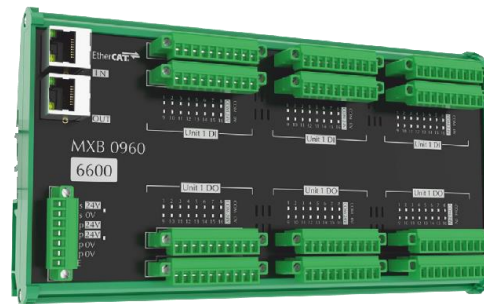
- Standard or custom carrier boards with plug-able IO cards
- Analog Inputs / Outputs
- Digital Inputs / Outputs



KPA EtherCAT Boards • PC104 Interface Card

KPA EtherCAT Slaves MXB Series

- Standard or custom IO boards
- Cost effective
- all in one EtherCAT slave for mixed Analog/Digital channels



Contacts



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Thank you for your attention
