

KPA EtherCAT PC104 board (EtherCAT slave stack with PC104 interface) integrates a PC 104 system into an EtherCAT network.

## Hardware

- ET 1100 ASIC, no CPU for closer synchronization
- 8 kByte PDO, 8 FMMUs, 8 Sync Managers
- Polling- and IRQ-handling
- DMA - support
- Transfer rate of **2 MByte/s** using DMA and IRQ
- Software-configurable I/O address
- Two address switches for position independent addressing

## Slave Stack

- Various Operating Systems (OS) like Win CE, RTX, INtime, Win XP/Vista, QNX, Linux for specific release, Linux SDK
- Several mailbox protocols as CoE, EoE, FoE, SoE, VoE
- Distributed Clocks
- Different scan rates

## Applications

- Intelligent slave controller
- Master and slave within one PC104 system (vertical integration)



## Delivery package

- PC104 board with compiled KPA EtherCAT Slave stack
- Documentation and sample applications
- One year technical support and assistance in conformance testing included

## Ordering information

Product code	Name	Comment
4001 0101	KPA EtherCAT Slave PC 104	Linux-SDK
4001 0110	KPA EtherCAT Slave PC 104 (4001 0101) with housing	extending CX10x0-series from Beckhoff by EtherCAT slave functionality Note: not all types of CX10x0 support DMA and/or IRQ
7010 0019	KPA EtherCAT Studio	Configuration and diagnostic tool