KPA EtherCAT PC104 Board

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

Hardware

- ET 1100 ASIC
- 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

- Operating Systems: INtime, Linux, QNX, RTX, xPC Target, VxWorks
- 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 of technical support and assistance in conformance testing included

Ordering information

Product code	Name	Comment
4001 0100	KPA EtherCAT PC104 board	
7010 0019	KPA EtherCAT Studio	Configuration and diagnostic tool with master