

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 |

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All company processes, from a product order to technical support, are managed according to our quality management system.

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