

# KPA EtherCAT PCI Board Datasheet

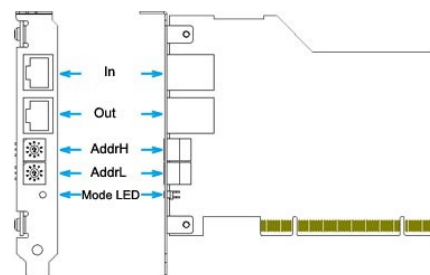
KPA EtherCAT PCI Board allows working with a PC as with an EtherCAT slave.

## System requirements

- x86-compatible PC with a free 2.1 specs compliant PCI slot

## Layout

- Connection of the slave in the network is carried out via In and Out connectors
- Rotary switches (AddrH and AddrL) are used to set fixed address for the slave instead of auto-incremented by the master
- Mode LED indicates that the slave is on and operating properly



## Technical data

Unit	PCI board
PC interrupt	Controlled by operating system
Physical interface	Ethernet
Connector type	RJ-45 x 2
Transfer rate	100 Mbit/s
PC interface	PCI specification V2.1 compliant
Power supply	+5V (+5%); typ. 700mA
Ambient conditions	<ul style="list-style-type: none"> <li>• Operating temperature: 0°C to 70°C</li> <li>• Storage temperature: -20°C to 80°C</li> <li>• - Humidity &lt; 90% (non-condensing)</li> </ul>
EtherCAT specifications	<ul style="list-style-type: none"> <li>• 256 Kbit EEPROM</li> <li>• 8 Kbyte I/O process data exchange</li> <li>• CoE (CANopen over EtherCAT) and EoE (Ethernet over EtherCAT)</li> <li>• 64 Bit Distributed clocks</li> </ul>

## Standards



This device meets the requirements of the EC directive 89/336/EWG Electromagnetic Compatibility". Noise emission: EN55011:1998 (CISPR 11:1997) Noise immunity: EN61000-4-2:1995, EN61000-4-3:2002 (EN61000-4-3:1997) EN61000-4-4:2004 (EN61000-4-4:1995) EN61000-4-5:1995, EN61000-4-6:1996



Compliant with European Directive 2002/95/EC on the Restriction of Hazardous Substances (RoHS).

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