

PCAN-MicroMod Motherboards

Application-specific PCAN-MicroMod CANopen I/O modules

The motherboards for the PCAN-MicroMod by PEAK-System provide an application-oriented environment. Typical characteristics of this product group include a wide supply voltage range and the protective circuit for the inputs and outputs. An optional evaluation board simplifies the enhancement and development of custom boards.

CANopen® firmware is available for all PCAN-MicroMod motherboards. The PCAN-MicroMod motherboards fall into the category of off-the-shelf CANopen® generic I/O devices.

The CANopen® software package for these modules implements the CiA 301 - "application layer and communication profile" version 4.02 and specifically the device profile CiA 401 - "device profile for generic I/O modules" version 2.1. By loading the appropriate firmware into the modules, they can be directly used as standardized CANopen® generic I/O modules. The EDS files (electronic data sheet) provided along with the firmware were tested with their corresponding module for CANopen® conformance using the official CANopen® conformance tests.

Scope of supply:

- PCAN-MicroMod
- PCAN-MicroMod motherboard in casing including mating connectors
- PCAN-MicroMod Configuration for Windows® 10, 8.1, 7 (32/64-bit)
- Manual in PDF format

Various application-specific PCAN-MicroMod motherboards are available:

- PCAN-MicroMod Analog 1&2
- PCAN-MicroMod Digital 1&2
- PCAN-MicroMod Mix 1
- PCAN-MicroMod Mix 2
- PCAN-MicroMod Mix 3

For more information about PEAK-System, please visit the manufacturer's website: www.peak-system.com.

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URL: www.phytools.com/PEAK_System_Technik_s/1853.htm

Further distributors:

Features

NMT	NMT slave
Error control	Node guarding Heartbeat producer
Boot-up	Yes
Node ID range	From 0 to 127
Node ID	Software switch
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	None
RPDOs	4
TPDOs	4
PDO modes	Event-triggered Triggered by event-timer Synchronous (cyclic) Synchronous (acyclic)
PDO linking	Yes
PDO mapping	Dynamic
SDO server	1
SDO client	1
Emergency producer	No
Emergency consumer	4 message(s)
Sync producer	No
Sync counter	No
Time stamp	No
Additional functions	None
CANopen version	CiA 301 V 4.0.2
Frameworks	None
Device profiles	CiA 401: CANopen device profile for generic I/O modules

Certified	No
Availability	In stock