

PCAN-MicroMod FD Series

PCAN-MicroMod FD, Evaluation Board, and Additional Motherboards

The PCAN-MicroMod FD is a small plug-in board which provides a CAN FD connection and enhanced I/O functionality for the integration into your hardware. An evaluation board facilitates the development of your custom solution. The module is configured with a Windows software via the CAN bus and then operates independently. The PCAN-MicroMod FD is available with motherboards that provide peripherals for specific applications.

The PCAN-MicroMod FD series can be operated with CANopen and CANopen FD firmware. While PEAK-System offers the hardware, the license for the CANopen (FD) firmware is available from their partner Embedded Systems Academy. After activation by using the PCAN-MicroMod FD Configuration Tool, I/O modules can be directly used in CANopen (FD) networks as generic modules. You can find more information about the license here: www.esacademy.com/en/peak.html

For all information about the PCAN-MicroMod FD, just click on the following link: www.peak-system.com/quick/CiA-CoPG-4

Specifications:

- NXP LPC54618 microcontroller
- 1 High-speed CAN connection
 - Complies with CAN specifications 2.0 A/B and FD
 - CAN bit rates from 20 kbit/s up to 1 Mbit/s
 - CAN FD bit rates from 20 kbit/s up to 10 Mbit/s
 - Microchip MCP2558FD CAN transceiver
- 8 digital inputs and 8 digital outputs
- 2 frequency outputs
- 8 analog inputs
- Measuring range unipolar 0 to 3 V
- Resolution 12 bit, sample rate 1 kHz
- Configuration via the CAN bus with a Windows software
- Selective configuration of up to 16 devices in a CAN bus
- Extended operating temperature range from -40 to 85 °C
- Dimensions: 33 x 36 mm
- Voltage supply 3.3 V

Ready-to-use Motherboards

The PCAN-MicroMod FD is available with motherboards that provide peripherals for specific applications.

Common Features:

- Board with plugged on PCAN-MicroMod FD
- CAN connection with switchable CAN termination
- 2 frequency outputs (Low-side switches, adjustable range)
- Analog input for voltage monitoring up to 30 V (12 bit)
- Aluminum casing with spring terminal connectors
- Extended operating temperature range from -40 to 85 °C
- Operating voltage 8 to 30 V

PCAN-MicroMod FD Analog 1:

- 8 analog inputs (16 bit, adjustable range)
- 4 analog inputs (12 bit, 0 - 10 V)
- 4 analog outputs (12 bit, adjustable range)
- 4 digital inputs (pull-up or pull-down)

For all information about the PCAN-MicroMod FD Analog 1, please visit the manufacturer's website: <https://www.peak-system.com/PCAN-MicroMod-FD-Analog.508.0.html?&L=1>

PCAN-MicroMod FD Digital 1 / Digital 2:

- 8 digital inputs (pull-up or pull-down)
- 3 analog inputs (12 bit, 0 - 10 V)
- Digital 1: 8 digital outputs with Low-side switches
- Digital 2: 8 digital outputs with High-side switches

For all information about the PCAN-MicroMod FD Digital 1 / Digital 2, please visit the manufacturer's website: <https://www.peak-system.com/PCAN-MicroMod-FD-Digital.509.0.html?&L=1>

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

Contact

□

PEAK-System Technik GmbH

Otto-Roehm-Str. 69
DE-64293 Darmstadt

Email: info@peak-system.com
Phone: +49-6151-817320
Web: <http://www.peak-system.com>

Sales contact

Phone: +49-6151-817322
Email: sales@peak-system.com

France

PEAK-System S.A.R.L.
Phone: +33-38354-1520
Fax: +33-38354-1521
Email: france@peak-system.com
URL: www.peak-system.com

International Sales Partners

China

Hongke Co., Ltd

Phone: +86-3874-4528/3030/3032
Email: sales@hkaco.com
URL: www.hkaco.com

Korea

Embedded Systems Korea
Phone: +82-2-856-8246
Email: esk@eskorea.net
URL: www.peak-system.kr

Japan

Gailogic Corporation
Phone: +81-422-26-8211
Email: sales@gailogic.co.jp
URL: www.gailogic.co.jp/product/ps

India

Embedded Systems Solutions Pvt Ltd
Phone: +91-80-67648833; 23521165
Email: sales@embeddedindia.com
URL: www.embeddedindia.com/peak-systems.html

USA & Canada

Grid Connect Inc.
Phone: +1-630-245-1445
Email: sales@gridconnect.com
URL: gridconnect.com/manufacturers/peak-system.html

USA, Canada, Brazil & Mexico

Phytools LLC
Phone: +1-206-451-4327
Email: sales@phytools.com
URL: www.phytools.com/PEAK_System_Technik_s/1853.htm

Further distributors:

www.peak-system.com/quick/CIA

Features

No features listed.