



MCAN

EM TRUST
systems you can trust

APPLICATIONS

The **EM MODULE MCAN** is the perfect controller area network module solution. It is designed for safety networking to control different devices and sensor units. It is a german engineered and high quality USB extension module, offering the highest performance in tough environments.

- _ Rugged Industrial Module
- _ Automatic Control Panels
- _ Information Systems
- _ Measurement & Quality Control
- _ Automotive

CAN 2.0
A/B
2 PORTS



Connect up to seven modules per TB-M/TB-H to your system.



Small installation depth.



Two independent CAN ports with status LEDs to support various applications.



Use the MCAN in harsh and tough environments.



Galvanic isolation optional available for both CAN ports.



Designed for hat rail / DIN rail mounting.

HIGH QUALITY
MADE IN GERMANY

E.E.P.D. 
...just embedded!

SPECIFICATIONS

Serial port	9-pin female D-SUB connector
	2 CAN ports: Standard CAN (Version 2.0A) Extended CAN (Version 2.0B) Bit rate 20 kBit/s up to 1 MBit/s
CAN transceiver	NXP TJA 1042TK
Status LEDs	2 LEDs
Galvanic isolation	500 V Only on "B" versions See ordering codes
USB client port	1 USB 2.0 USB 1.1 Type A
Power supply	USB VCC (+5 V supply, current limited to 500 mA)
Fanless	Designed for fanless operation
Max. operating temp.	-40°C to +85°C ambient
Max. storage temp.	-40°C to +85°C ambient
Max. rel. humidity	95% @ 40°C, non-condensing
Housing	ABS-PC
Mounting	TB-M and TB-H module mounting Hat rail Stand alone
Dimensions approx.	93 x 39 x 27 mm
Weight approx.	40 grams
Conformity	CE, ROHS, REACH
Driver Support	SocketCAN; CANopen®
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Linux Kernel 3.4 or later
Control Type	Virtual Com Port

HIGHLY COMPATIBLE INDUSTRIAL TEMP -40°C TO +85°C



Cable Option

OVERVIEW

The EM MODULE MCAN is the perfect USB to CAN adapter for your applications, powered by proven technology.

It is designed for safety networking to control different devices and sensor units.

The module is ready for USB 2.0/1.1 and has two CAN ports.

SUMMARY

- ▶ 2 independent CAN ports
- ▶ CAN 2.0A/2.0B
- ▶ Max. bit rate 1 MBit/s
- ▶ Galvanic isolation optional

Ordering Code System	Type
IMCANAA0	2x CAN 1 MBit/s Rail Mounting GREY
IMCANAA30	2x CAN 1 MBit/s Rail Mounting MAGENTA
IMCANAC0	2x CAN 1 MBit/s Hat rail or stand alone mounting GREY USB cable 80 cm
IMCANBA0	2x CAN 1 MBit/s 500 V galvanic isolated Rail Mounting GREY
IMCANBA30	2x CAN 1 MBit/s 500 V galvanic isolated Rail Mounting MAGENTA
IMCANBC0	2x CAN 1 MBit/s 500 V galvanic isolated GREY Hat rail or stand alone mounting USB cable 80 cm

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E.E.P.D. Electronic Equipment Produktion & Distribution GmbH

Gewerbering 3

85258 Weichs - Germany

Phone +49 8136 2282-0

Fax +49 8136 2282-109

Internet: www.eepd.de

E-Mail: sales@eepd.de

