



## CAN@net II/Generic

### CAN-Ethernet gateway and CAN-Ethernet-CAN bridge

The CAN@net II/Generic enables easy and flexible access to CAN systems via Ethernet. The device provides two operation modes, a bridge mode and a gateway mode.

This product is not recommended for new developments. For new developments we recommend to use the successor product [Ixxat CAN@net NT 100/200/420](#) or the [CANnector](#), which offers a wider range of functions.

Application Note: [How to change from CAN@net II to CAN@net NT 100](#)



### FEATURES AND BENEFITS

- Bridging of large distances and easy system access using Ethernet
- Filter and conversion functionality
- Cost savings due to simple wiring

### CONTENTS OF DELIVERY

- CAN@net II/Generic
- User manual
- Sample programs

### TECHNICAL SPECIFICATIONS

<b>PC bus interface</b>	10/100 Mbit/s Ethernet (10Base-T/100Base-T), Autodetect, RJ45 connector
<b>IP address allocation</b>	DHCP, via PC tool
<b>Microcontroller</b>	Freescale MCF5235, 150 MHz
<b>Memory extension</b>	8 Mbyte DRAM, 4 Mbyte Flash
<b>CAN controller</b>	SJA1000
<b>CAN bus interface</b>	ISO 11898-2, Sub D9 galvanically decoupled (500V)
<b>Power supply</b>	9-32 V DC, 3 W
<b>Temperature range</b>	-20 °C ... +70 °C
<b>Certification</b>	CE, FCC, UL
<b>Housing</b>	Plastic housing for top hat rail mounting
<b>Size</b>	approx. 22,5 x 100 x 115 mm

## HOW IT WORKS

### CAN-Ethernet Gateway

In the gateway mode the CAN@net II/Generic is connected to a PC or to a controller platform via TCP/IP. The application program on the host communicates via a standard TCP/IP socket and uses a simple ASCII protocol. As CAN-Ethernet Gateway, the CAN@net II/Generic offers simple, flexible access to CAN systems via a LAN or via the Internet.

### CAN-Ethernet-CAN Bridge

Using two CAN@net II/Generic, a CAN-Ethernet-CAN bridge can be implemented. This bridge allows the exchange of CAN messages between two CAN systems via TCP/IP where filter tables can be defined.

## CONFIGURATION

The configuration of the TCP/IP parameters can be performed using a PC tool with automatic device detection. The configuration of the bridge functionality and the CAN communication is supported by an implemented web-server.

## Order number

<b>1.01.0086.10201</b>	CAN@net II/Generic; one CAN channel
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