



## Ixxat CAN@net II/Generic

Item number: 1.01.0086.10201

The CAN@net II/Generic with one CAN channel and galvanic isolation is an easy and adaptable way to connect computers to CAN networks via Ethernet. It features two distinct operating modes: bridge mode for connecting multiple CAN systems over large distances, and gateway mode for seamless integration with computers or controllers via TCP/IP.

*CAN Ethernet gateway and bridge*

### Features and benefits

- ✓ **Easy bridging of large distances via Ethernet**  
The CAN@net II/Generic enables CAN connectivity over Ethernet, allowing for long-range communication and control within extensive networks.
- ✓ **TCP/IP protocol compatibility**  
TCP/IP protocol compatibility ensures seamless integration into existing network infrastructures, facilitating connectivity and communication.
- ✓ **CAN Ethernet gateway for flexible access**  
In gateway mode, the device can be accessed regardless of the operating system or platform, using a simple ASCII protocol via TCP/IP socket.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.
- ✓ **Cost savings due to simple wiring**  
Optimized topologies enable simpler wiring, resulting in less cables and cost savings at installation and maintenance.
- ✓ **High-speed Ethernet interface via RJ45 connector**  
Featuring a 10/100 Mbit/s Ethernet interface (RJ45 connector) with auto-detection and auto-crossover. For fast and reliable network connections.
- ✓ **Flexible CAN-Ethernet-CAN Bridge**  
With two CAN@net II/Generic devices, a CAN-Ethernet-CAN bridge can be created, allowing the transfer of CAN messages between two separate systems via TCP/IP.



General	
Net Width (mm)	100
Net Height (mm)	115
Net Depth (mm)	22.5
Net Weight (g)	225
Packed Width (mm)	13
Packed Height (mm)	4
Packed Depth (mm)	17
Packed Weight (g)	225
Operating Temperature °C Min	-20
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	110 mA
Current Consumption Max value at Vcc nom (mA)	250 mA
Input Voltage (V)	9 V to 32 V DC
Isolation	1 kV DC for 1 sec., 500 V AC for 1 min.
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.
Content of Delivery	CAN@net II/Generic device, user manual, available as free download: sample programs
Not Included (in delivery)	Sample programs are available as free download



## General

Mounting	DIN rail mount (bracket included)
Housing Materials	Polyamide housing for top hat rail mounting
Packaging Material	Cardboard
Warranty (years)	1

## Identification and Status

Product ID	1.01.0086.10201
Successor	1.01.0332.10000
Country of Origin	Germany
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	1 x D-Sub 9 connector, 1 x RJ45 socket, 1 x power connector
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## CAN Features

CAN Mode	CAN high-speed (ISO 11898-2)
CAN Transceiver	TI SN65HVD251P
CAN Controller	SJA1000T, CAN 2.0 A/B
CAN Baud Rate	CAN bit rates: 10 kBit/s to 1 Mbit/s, LAN bit rates: 10/100 Mbit/s Ethernet (10Base-T/100Base-T), Autodetect, Auto crossover

## Certifications and Standards

Protection Class IP	IP30
ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment