

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.



Ixxat CAN@net II/Generic



| 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 |



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| 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

| 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 |

