DATASHEET

CAN@net II/Generic

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.

In gateway mode, the CAN@net II/Generic is connected to a PC or controller platform via TCP/IP. It uses a simple ASCII protocol for communication and allows uncomplicated system access via LAN or the Internet.
By using two CAN@net II/Generic, a CAN-Ethernet-CAN-Bridge can be realized. This allows the exchange of CAN messages between two CAN systems via TCP/IP and provides additional filter options.

This product is not recommended for new developments. For new developments we recommend the use of the successor product Ixxat CAN@net NT 100/200/420 or the CANnector.

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FEATURES AND BENEFITS

- Bridging of large distances and easy system access using Ethernet
- Filter and conversion functionality
- Cost savings due to simple wiring
- 1 x CAN channel
- Line protection by galvanic isolation

ORDER NUMBER	1.01.0086.10201
CAN channels (high-speed)	1
CAN bus interface	ISO 11898-2, D-Sub 9 connector according to CiA 303-1
CAN bit rates	10 to 1000 kBit/s
CAN bus termination resistors	None
CAN controller	SJA1000T; CAN 2.0 A/B
CAN high-speed transceiver	SN65HVD251P
Galvanic isolation	1 kV DC for 1 sec, 500 V AC for 1 min
Power supply	9-32 V DC, 3 W
Messages per second (send/receive)	max. 21000 msg/s (with VCI, receive direction)

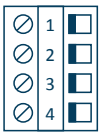
ORDER NUMBER	1.01.0086.10201
LAN bit rates	10/100 Mbit/s Ethernet (10Base-T/100Base-T), Autodetect, Auto crossover
IP address allocation	DHCP, via PC tool
Ethernet connector	RJ45
Ethernet interfaces	1
Microcontroller	Freescale MCF5235, 150 MHz
RAM	8 MByte DRAM
Flash	4 MByte Flash
Power consumption at 24 V	Typically 110 mA, maximum 250 mA
Weight	Approx. 300 g
Dimensions	22.5 x 100 x 115 mm
Operating temperature	-20 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Protection class	IP30
Relative humidity	10 to 95 %, non-condensing
Certification	CE, FCC, UL
Housing material	Polyamide, plastic housing for top hat rail mounting
LED	Four LEDs. The LEDs show the communication status of the relevant interface or the device status (Power, Ethernet, CAN, CPU)

CERTIFICATES
CE FC c UL us LISTED AZOT E466303

ACCESSORIES	ORDER NUMBER
Termination adapter for CAN/CAN FD (D-Sub male to female)	1.04.0075.03000
CAN cable 2.0 m (D-Sub male to female)	1.04.0076.00180
CAN Y cable 0.22 m	1.04.0076.00001
CAN Y cable 2.1 m	1.04.0076.00002

PIN ALLOCATION

POWER CONNECTOR ❶



V+ (+9 V to +32 V DC)
V-
-
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CAN CONNECTOR D-Sub 9 ❷

Pin no.	Signal
7	CAN-High
2	CAN-Low
3	CAN-GND

TECHNICAL DRAWING