DATASHEET

CAN@net II/VCI

The CAN@net II/VCI allows simple, flexible access from a PC to CAN systems via Ethernet. Due to its ability to support the TCP/IP protocol, the CAN@net II/VCI allows direct connection to a PC, implementation in a LAN or worldwide communication with the gateway via the Internet.

With the included VCI CAN driver, the CAN@net II can be operated in the same way as all Ixxat CAN PC interface boards. This makes all VCI-based CAN programs and tools operable and compatible. In addition, the VCI CAN driver allows simultaneous communication from one PC with up to 128 CAN@net II devices.

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.

FEATURES AND BENEFITS

- Easy CAN access over large distances via Ethernet
- 1 x CAN high-speed channel
- Cost savings due to simple wiring
- Line protection by galvanic isolation
- Driver and programming interface for Windows and Linux
- Also available as gateway/bridge device with the CAN@net II/Generic

ORDER NUMBER	1.01.0086.10200
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)
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

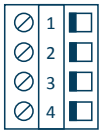
ORDER NUMBER	1.01.0086.10200
Ethernet interfaces	1
Microcontroller	Freescale MCF5235, 150 MHz
RAM	8 MByte DRAM
Flash	4 MByte Flash
Power consumption at 24 V	Typically 110 mA, maximum 250 mA
Weight	Approx. 300 g
Dimensions	22.5 x 100 x 115 mm
Operating temperature	-20 °C to +70 °C
Storage temperature	-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-
-
-

CAN CONNECTOR D-Sub 9 ❷

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

TECHNICAL DRAWING