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

Ixxat CAN@net II/Generic

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
Dual Usage	No
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
Contains Battery	No

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

	Yes
Protection Class IP	IP30
ETIM Classification	EC001604

Certifications and Standards

CE	Yes
FCC	Yes
UL	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment