Ixxat CAN@net Basic



CAN/CAN FD Ethernet gateway, bridge and PC interface

Item number: 1.01.0335.10000

The Ixxat CAN@net Basic with one CAN/CAN FD channel can act as a gateway between CAN FD and Ethernet systems, providing easy and flexible access to the CAN system. As a CAN-Ethernet-CAN bridge it allows the exchange of messages between CAN systems over long distances, with several message processing, filtering and mapping functionalities. For more efficient network management.

Features and benefits

- **Easy CAN/CAN FD system expansion**
  Enables easy message exchange between CAN/CAN FD systems, also over Ethernet – to setup tree or star topologies or to enable long-range communication.
- **Device and system protection**
  Network segmentation with galvanic isolation protects devices against damage caused by voltage peaks.
- **Easy configuration and maintenance**
  Windows configuration tool allows for easy setup and maintenance via USB.
- **Cost savings due to simple wiring**
  Optimized topologies enable simpler wiring, resulting in less cables and cost savings at installation and maintenance.
- **Message processing functionality**
  Useful filter, ID translation and data mapping functionalities streamline network traffic and enhance efficiency.

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General

Related Accessories	1.04.0074.03000
Net Width (mm)	27
Net Height (mm)	149
Net Depth (mm)	108
Net Weight (g)	127
Packed Weight (g)	127
Operating Temperature °C Min	- 40
Operating Temperature °C Max	+ 85
Storage Temperature °C Min	- 40
Storage Temperature °C Max	+ 85
Relative Humidity	0 – 90% RH, non-condensing
Input Voltage (V)	10-30 V DC +-0 %
Power Connector	3-pole
Isolation Voltage (kV)	CAN: 2,5 kV for 1 minute; Ethernet: 1,5 kV for 1 minute
Configuration	Ixxat CAN@net Basic is configured and updated with a straightforward Windows configuration tool. With this tool, a configuration can be created, modified, written to and read from the target device via USB connection.
Content of Delivery	CAN@net Basic device, Safety and Compliance Sheet, available as free download: CAN-Gateway Configurator Basic tool
Not Included (in delivery)	cable for device configuration (USB-C)
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94

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General

Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0335.10000
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	1 x 4-pin push-in spring connector FKC 2.5/4-ST GY (CAN), 1 x 3-pin push-in spring connector FKC 2.5/3-ST GY (power), RJ 45 connector for Ethernet, USB C connector
Contains Battery	No

CAN Features

CAN Mode	CAN high-speed (ISO 11898-2)
CAN Transceiver	TCAN1044
CAN Baud Rate	20 to 1000 kBit/s

CAN FD Features

CAN FD Mode	ISO CAN FD, nonISO CAN FD
CAN FD Transceiver	TCAN1044
CAN FD Baud Rate	500 to 8000 kBit/s

Certifications and Standards

Protection Class IP	IP20
Product Certifications	CE, FCC