

Ixxat CAN@net Basic

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.



CAN/CAN FD Ethernet gateway, bridge and PC interface

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 or Ethernet.
- ✓ **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.



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



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
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

Connectors / Input / Output	1 x 4-pin push-in spring connector FK2 2.5/4-ST GY (CAN), 1 x 3-pin push-in spring connector FK2 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
CE	Yes
FCC	Yes
Waste Certification (WEEE)	Yes