Ixxat CAN@net NT 200

Item number: 1.01.0332.20000

The Ixxat CAN@net NT 200 is a multifunctional gateway, bridging CAN networks via Ethernet for remote access and enhanced reliability. It features two CAN channels and supports long-distance communication, with several message processing and cloud connection functionalities. For more efficient network management.

CAN Ethernet gateway, bridge and PC interface

Features and benefits

Three operation modes in one device

The Ixxat CAN@net NT can be used as PC interface, as CAN-Ethernet-CAN bridge or as CAN Ethernet gateway – all in one device.

Bridge operation enables CAN system expansion

The bridge mode enables easy message exchange between CAN systems, also over Ethernet – to setup tree or star topologies or to enable long-range communication.

Cost savings due to simple wiring

Optimized topologies enable simpler wiring, resulting in less cables and cost savings at installation and maintenance.

Customizable actions

Additional programming of action rules using LUA for tailored responses to specific network events.

Cloud connection

MQTT support allows direct transmission of information to the cloud, facilitating IoT and remote monitoring applications.

Easy configuration and maintenance

Windows configuration tool allows for easy setup and maintenance via USB or Ethernet.

PC operation mode with VCI driver support

The Ixxat VCI driver package enables easy integration into PC-based Ixxat applications and customer-specific programs. Ideal for configuration, analysis and maintenance.

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.

On device intelligence

Advanced filter, ID translation, data mapping and multiplexing functionalities streamline network traffic and enhance efficiency.

Device and system protection

Network segmentation with galvanic isolation protects devices against damage caused by voltage peaks.

Configurable security levels

Defined assess levels for configuration or firmware upload.

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General

Net Width (mm)	99
Net Height (mm)	114.5
Net Depth (mm)	22.5
Net Weight (g)	165
Packed Width (mm)	14
Packed Height (mm)	4
Packed Depth (mm)	18
Packed Weight (g)	296
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10 to 95 %, non-condensing
Current Consumption Type Value at Vcc Nom (mA)	110 mA (24 V DC), 230 mA (12 V DC)
Input Voltage (V)	9 V to 36 V DC, with overvoltage and polarity protection
Isolation	1 kV DC for 1 sec.
Configuration	The Ixxat CAN@net NT series is configured and updated with a straightforward Windows configuration tool through USB or Ethernet. This tool simplifies setting up filters, mapping, multiplexers, or translation rules, requiring no programming expertise.
Content of Delivery	CAN@net NT device, user manual, Mini USB cable, available as free download: CAN-Gateway Configurator tool, CAN driver VCI, simple CAN monitor "canAnalyser Mini"
Not Included (in delivery)	comprehensive and powerful driver and software packages are available as free download

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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	1.01.0332.20000
Country of Origin	Germany
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Used in Volume 01
Purchasing Multiple ERP	104

Physical Features

Connectors / Input / Output	1 x RJ45 connector, 1 x Mini USB port, 3 x screw terminals (2 x fieldbus, 1 x power)

CAN Features

CAN Mode	CAN high-speed (ISO 11898-2:2016)
CAN Baud Rate	5 kBit/s to 1 MBit/s

Certifications and Standards

Protection Class IP	IP20
ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment