Ixxat®
BY HMS NETWORKS

Ixxat CAN@net II/VCI

Item number: 1.01.0086.10200

The CAN@net II/VCI with one CAN channel and galvanic isolation is an easy and adaptable way to connect computers to CAN networks via Ethernet. Its compatibility with the TCP/IP protocol enables a straightforward PC connection, integration within a LAN, and global communication with the gateway through the Internet.

CAN Ethernet PC interface

Features and benefits

Easy CAN access over large distances via Ethernet

The CAN@net II/VCI enables CAN system access 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.

Overvoltage protection

Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.

PC operation mode with VCI driver support

The Ixxat VCI driver package enables easy integration into PC-based Ixxat applications and customer-specific programs, allowing for seamless Ethernet access to CAN systems. Ideal for configuration, analysis and maintenance.

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.

Also available as gateway/bridge device

Ixxat also offers the CAN@net II/Generic, a device that can be used through a standard TCP/IP socket or as a CAN-Ethernet-CAN bridge for enhanced flexibility.

Simultaneous device communication

The VCI CAN driver allows communication with up to 128 CAN@net II devices simultaneously, offering scalability and enhanced network management capabilities.

Ixxat CAN@net II/VCI

General

Net Width (mm)	100
Net Height (mm)	115
Net Depth (mm)	22.5
Net Weight (g)	124
Packed Width (mm)	14
Packed Height (mm)	4
Packed Depth (mm)	17
Packed Weight (g)	253
Operating Temperature °C Min	-20
Operating Temperature °C Max	70
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
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.
Content of Delivery	CAN@net II/VCI device, user manual, available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini"
Not Included (in delivery)	Comprehensive and powerful driver and software packages are available as free download

Ixxat CAN@net II/VCI

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	1.01.0086.10200
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