Ixxat CANblue II

Item number: 1.01.0126.12001

The Ixxat CANblue II is a versatile and cost-effective Bluetooth module for CAN systems that can be used with an external antenna. It offers three operation modes: PC interface, bridge, and gateway, making it suitable for various application areas. It is ideal for mobile configuration, analysis, and conveniently bridging CAN networks via Bluetooth.



CAN Bluetooth bridge and PC interface (external antenna)

Features and benefits

Three operation modes in one device

The Ixxat CANblue II can be used as PC interface, bridge or gateway – all in one device.

Bridge mode with multiple devices

The bridge mode establishes a CAN-Bluetooth-CAN bridge with two or more CANblue II devices. Ensuring seamless, transparent message exchange independent of the used protocol.

Easy wireless transmission up to 200 m

Easy connection of remote systems, moving or difficult to access components or bridging of slip ring connections.

Overvoltage protection

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

Seamless PC operation under Windows and Linux

Powerful driver packages enable easy integration into PC-based Ixxat applications and customer-specific programs.

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.

ASCII/binary protocol mode

Simple ASCII commands and optimized CAN binary messages enable CAN message exchange for "non-Windows" systems or embedded platforms as well as for device configuration.

High-performance transmission with low latency

High-speed data transfer with minimal delays, ensuring efficient and prompt data delivery.

For usage with external antenna

To utilize the CANblue II, an external antenna is available for separate purchase – enabling range extension and customizing it to meet specific coverage needs.

Analysis software included

Ixxat canAnalyser3 Mini is included in the VCI V4 download package and enables first steps in analyzing and monitoring CAN networks.

Ixxat CANblue II



General

Net Width (mm)	82
Net Height (mm)	64
Net Depth (mm)	26
Net Weight (g)	240
Packed Width (mm)	17
Packed Height (mm)	3
Packed Depth (mm)	13
Packed Weight (g)	240
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Relative Humidity	10 to 95 %, non-condensing
Current Consumption Type Value at Vcc Nom (mA)	50 mA (12 V DC)
Current Consumption Max value at Vcc nom (mA)	100 mA (12 V DC)
Input Voltage (V)	9 V to 30 V DC
Isolation	1 kV DC for 1 sec.
Configuration	Configuration as PC interface or bridge via Bluetooth connection, usage of a terminal program or the CANblueCon Configuration Tool possible.
Content of Delivery	CANblue II device, user manual, available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini"
Not Included (in delivery)	Without antenna (can be ordered separately); comprehensive and powerful driver and software packages are available as free download
Mounting	Wall mount

Ixxat CANblue II



General

Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0126.12001
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	1 x D-Sub 9 connector, 1 x power connector
Contains Battery	No

Wireless Features

Antenna Connector	RP-SMA

Bluetooth Features

Bluetooth Version	Bluetooth v4.0

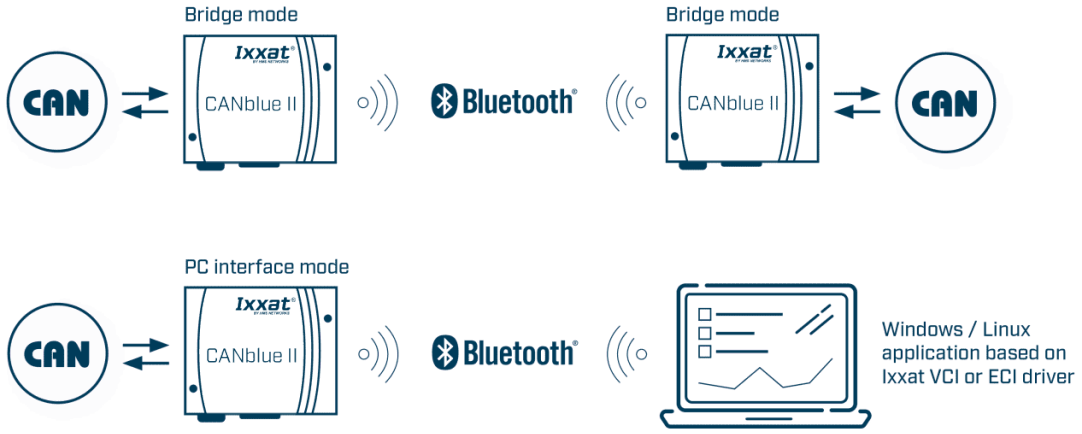
CAN Features

CAN Mode	CAN high-speed (ISO 11898-2)
CAN Transceiver	TI SN65HVD251
CAN Controller	CAN2.0 A/B
CAN Baud Rate	CAN transmission rate: 100% bus load at 1 Mbit

Certifications and Standards

Protection Class IP	IP20
Product Certifications	CE, FCC
WEEE Category	IT and telecommunications equipment

Use Case



Ixxat CANblue II is operated in bridge mode as a device pair that connects two remote CAN systems via Bluetooth. This allows e.g. the connection of moving components, the avoidance of slip ring connections or the connection of devices for which wiring is no option. When using the PC operating mode, a CANblue II is connected via the PC's internal Bluetooth interface. This enables easy, wireless access to CAN systems, e.g. for maintenance, configuration or analysis.