

CANblue II

The CANblue II is a CAN module that is connected to the PC wirelessly via Bluetooth. It is ideal for servicing and accessing CAN systems that are otherwise difficult to access. Depending on the space limitations, the maximum distance between the CANblue II and the PC/notebook can be up to 300 m.



Bridge mode

The bridge mode allows the user to set-up a CAN-Bluetooth-CAN bridge by using two CANblue II devices. Message exchange occurs on layer 2 and is transparent. The device can also be used in systems with CANopen, DeviceNet or customer-specific protocols. CAN-ID filters can be set for data exchange via Bluetooth. Using more than 2 CANblue devices, multiple busses can be linked with each other.

ASCII/Binary protocol mode

In this mode, functions for transmitting and receiving CAN messages and for configuring the CANblue II are available to the user based on simple ASCII commands and optimized CAN binary messages. The CANblue II is ideal for "non-Windows" systems or embedded platforms.

PC operation mode with VCI driver support

Because it is supported by the VCI CAN driver, the CANblue II can be operated with all IXXAT tools and with customer-specified programs. In addition, wireless access to CAN systems via Bluetooth can also be easily achieved with existing VCI-based application programs and tools.

Product highlights

- Quick start-up and connection
- High transmission range
- Internal antenna
- High data throughput
- Flexible configuration options (combination of several CANblue II)

Technical Data

Bluetooth interface	Bluetooth specification V2.1 EDR, 300 m max. transmission range
Microcontroller	32-bit microcontroller
CAN controller	CAN 2.0 A/B
CAN bus interface	ISO 11898-2, Sub D9 plug according to CiA 303-1
Galvanic isolation	1 kV, 1 sec.
Voltage supply	9 - 30 V DC, 0.6 W
Temperature range	-40 °C ... +70 °C
Certification	CE, FCC
Housing	Plastic housing with integrated antenna and mounting holes
Size	82 x 64 x 26 mm

Accessories (only for the version with external antenna)

Antenna

Stub antenna with RPSMA plug, 90 degree tiltable.

(Technical data: Length 10 cm, 2,5 dBi, 2,4 Ghz, 50 Ohm impedance , half wave dipole, linear polarisation)

Magnet foot

Magnet foot with RP-SMA connector and 1.5 m cable.

The foot has a strong magnet for mounting and is suitable for stationary and mobile use.
(Technical data: Weight 150 g, diameter 4,8 cm, height 5 cm, designed for indoor use or outdoor use, provided that the antenna is protected against water and moisture.)



Contents of delivery

- CANblue module and user's manual
- CAN driver VCI for Windows
- Simple CAN tool "miniMon"

Order number

1.01.0126.12000	CANblue II - With integrated antenna
1.01.0126.12001	CANblue II - For usage with external antenna (not included in the scope of delivery)

Accessories

1.04.0085.00001	External antenna (only for 1.01.0126.12001)
1.04.0085.00000	Magnet foot with RP-SMA connector and 1.5 m cable