

## b-CANCubeNano

### Product overview

The b-CANCubeNano represents due to its interfaces a perfect gateway between serial data communication on RS232 and CAN-Bus networks.

The b-CANCubeNano is designed especially for the use in vehicles and mobile machines.

#### Bus communication

CAN-Interface to communicate e.g. with other machine controllers.

#### Serial interface

RS232 serial interface to communicate with other serial peripherals.

#### In- and outputs

Two digital in-/outputs offer the flexibility to be adapted to different applications.






#### Free programmable

Programming in C with a free of charge development environment.



Illustration 1: b-CANCubeNano

### Highlights

 <p>Two digital inputs / outputs</p>	 <p>CAN Bus interface</p>	 <p>Serial interface RS232</p>	 <p>Free programmable in C</p>	 <p>Extended operating temperature range</p>
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## Technical data

<b>Operating temperature</b>	-40 ... +85°C
<b>Protection class</b>	IP54 IP65 with optional sealed socket
<b>Qualification</b>	CE / E-Mark
<b>Dimensions</b>	50 x 30 x 30 mm (HxWxD)
<b>Housing</b>	Plastic housing, black
<b>Mounting</b>	Automotive relay socket, 9-pole
<b>Power supply</b>	8 ... 32 V DC
<b>Processor</b>	16 bit PIC Microcontroller 40 MIPS
<b>Memory</b>	128kB Flash, 8kB RAM, 256Bytes EEPROM
<b>Bus interface</b>	1 CAN-Bus (High-Speed) according to ISO 11898-2 11 and 29 bit Identifier - Baudrate: 125 kB, 250 kB, 500 kB, 1000 kB
<b>Serial interface</b>	1 RS232 (Tx, Rx, Gnd) Databits: 8 - Parity: none, even, odd - Stopbits: 1, 2 Baudrate: 2.4 kB, 4.8 kB, 9.6 kB, 19.2 kB, 38.4 kB, 57.6 kB, 115.2 kB

## Inputs / outputs

<b>2x parametrizable in-/outputs</b>	Inputs: Digital lowside (for positive sensor signals) Outputs: Digital highside max. 2A (drives power supply)
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## Order-no.

## Name

B20200-CCN-001-0001	b-CANCubeNano
B20200-CCN-000-M110	Relaismountset
B20200-CCN-000-M130	Relaismountset Sealed IP65
B20200-CCN-002-0001	b-CANCubeNano Debug
B20200-CCN-000-D100	Debug-Set