

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

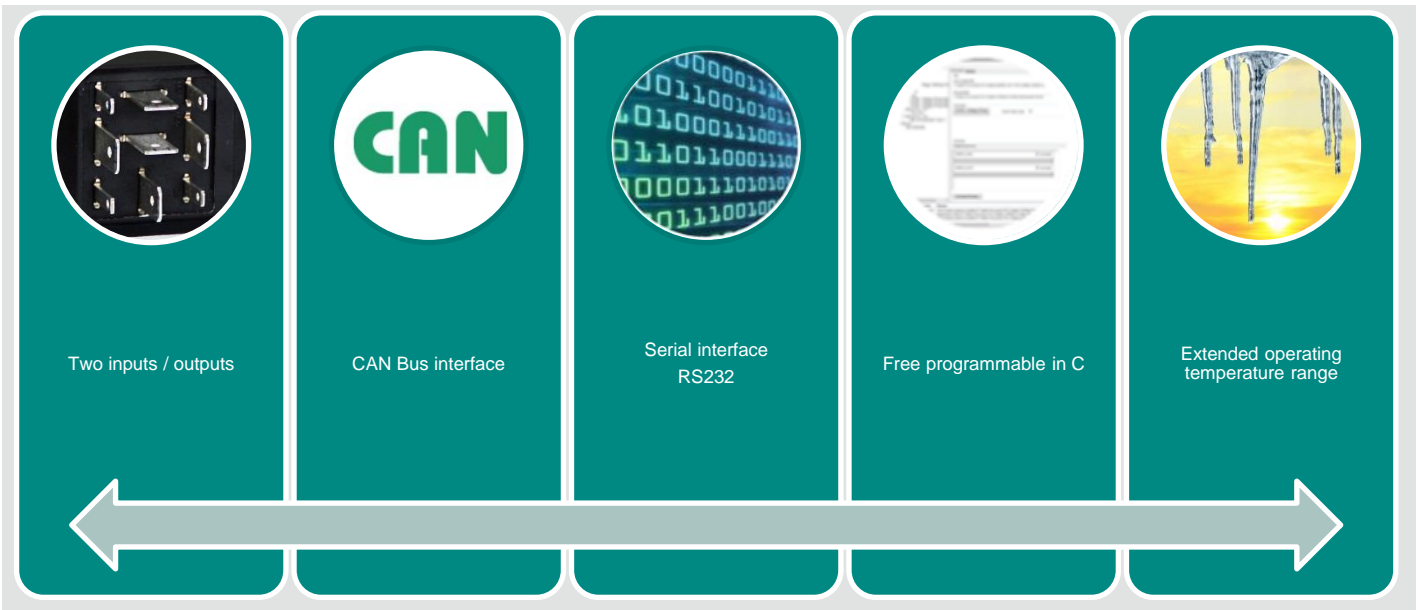
#### Free programmable

Programming in C with a free of charge development environment.



Illustration 1: b-CANCubeNano

### Highlights



### 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) Frequency measurement 1Hz – 800 kHz
	Outputs: Digital highside max. 2A (drives power supply)

### 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



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Compact controller

Alle Daten bei 25°C Umgebungstemperatur, falls nicht anders angegeben. / All data at nominal input and 25° C ambient temperature, if not marked otherwise. ▪ Alle Daten dienen nur Informationszwecken und sind nicht als zugesicherte Eigenschaften aufzufassen. / All data for information purposes only, no assured characteristics. ▪ Technische Änderungen ohne vorherige Ankündigung sowie Irrtümer vorbehalten. / Technical modifications without notice and errors reserved. ▪ Belastung mit Extremwerten über einen längeren Zeitraum kann die Zuverlässigkeit beeinflussen. / Strain with extreme values for a longer period may affect the reliability. ▪ Alle Trademarks und Logos sind Eigentum der jeweiligen Unternehmen. / All trademarks and logos are property of the concerning companies. © b-plus mobile control GmbH ▪ March-24 ▪ Version: 2.5

