



PIONEERING
NEW MOBILITY

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b-CANCubeMini Sealed Plus

Compact controller with 3 CAN interfaces

b-CANCubeMini Sealed Plus

Product Overview

The universal usable compact controller is equipped with a performant 32-Bit Microcontroller and offers a flexible I/O configuration. b-CANCubeMini Sealed Plus was designed especially for the outdoor use in mobile machines and vehicles.

Bus communication

Three CAN-Interfaces e.g. for the connection to various motor control units or CAN control HMIs.

Besides three CAN there are two serial RS232-Interfaces and one RS485 available.

Multifunctional inputs and outputs

20 inputs and outputs offer the flexibility to be adapted to any application. The clamp 15 pin enables a time delayed shutdown of the controller directly controlled from the application.

Robust mechanical housing

A proven housing enables an IP grade up to IP69k.

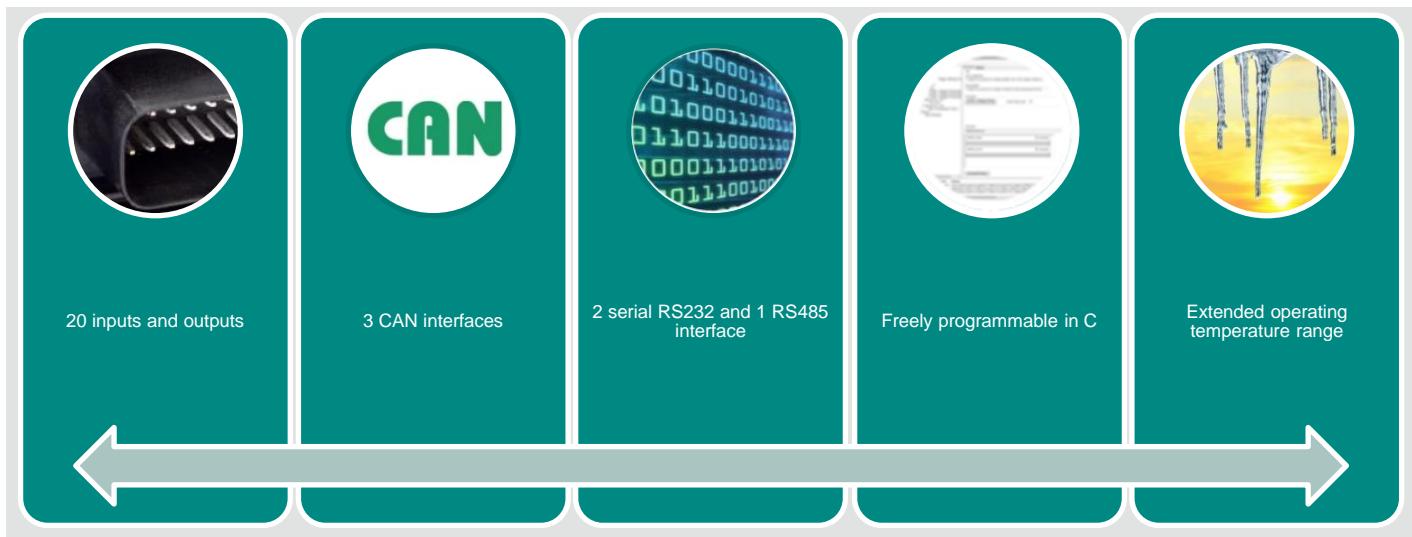
Free programmable and parametrizable

The controller is programmable in C. With an userfriendly API it is easy to start programming.



Illustration 1: b-CANCubeMini Sealed Plus

Highlights



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 • April 24 • Version: 2.0



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Technical data

Operating temperature	-40 ... +85°C
Protection Class	IP 67 / IP 69K
Weight	0,180 kg
Qualification	CE Mark
Dimensions	128 x 94 x 41 mm (WxHxD)
Housing	Plastic, black
Mounting	Two 7mm mounting straps
Bus interfaces	3 CAN-Bus (High-Speed) acc. ISO 11898-2 2 Serial RS232 (RxTxD, TxTxD, GND) 1 RS485 (A, B)
Power supply	8 ... 32 V DC
Processor	CORTEX M4 32bit, 100MHz
Memory	1,5MB Flash, 320kB RAM, 16kB FRAM

Configuration table

Function	
6 x Input	Voltage 0 .. 10 V
	Voltage 0 .. 32 V
	Current 0 .. 20 mA
	Frequency (<= 30kHz)
	Resistor (<= 5 kOhm)
	Digital (high / low switching)
2 x Input	Voltage 0 .. 10 V
	Voltage 0 .. 32 V
	Digital (high / low switching)
8 x Output	Digital (high switching)
	PWM output (20... 250 Hz)
	Current regulated output (accuracy 2%)
	<ul style="list-style-type: none"> ▪ Protection against short circuit and excess temperature ▪ Diagnostic capability max. 2A per output
4 x	Digital (high switching)

Order-no.

Name

B20300-CMP-103-0001	b-CANCubeMini Sealed Plus
B20300-CMS-000-C003	b-CANCubeMini Connection-Set

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