

b-CANCubeMini Sealed

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 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 interfaces by b-plus.

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

Multifunctional inputs and outputs

Twelve variable parametrizable inputs and outputs offer the flexibility to be adapted to the particular 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.

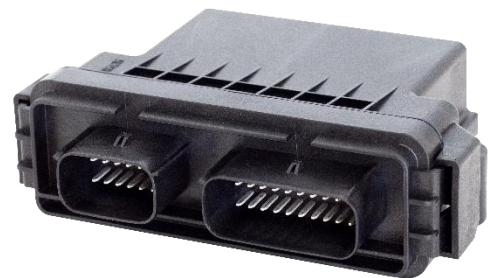







Illustration 1: b-CANCubeMini Sealed

Highlights

 <p>12 parameterizable inputs and outputs</p>	 <p>3 CAN interfaces</p>	 <p>Two serial RS232 and one RS485 interface</p>	 <p>Free programmable in C</p>	 <p>Extended operating temperature range</p>
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Compact controller with 3 CAN interfaces

Technical data

Operating temperature	-40 ... +85°C
Protection Class	IP 67 / IP 69K
Weight	0,180 kg
Qualification	CE / E-Mark
Dimensions	128 x 94 x 41 mm (WxHxD)
Housing	plastic, black
Mounting	Two 7mm mounting straps
Bus interfaces	3 CAN-Bus (High-Speed) according to ISO 11898-2 2 serial RS232 (RxD, TxD, 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 Inputs	Voltage 0 .. 10 V ✓
	Voltage 0 .. 32 V ✓
	Current 0 .. 20 mA ✓
	Frequency (<= 30kHz) ✓
	Resistor (<= 5 kOhm) ✓
	Digital (high / low switching) ✓
6 x Outputs	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 temperatureDiagnostic capability max. 2A per output

Order-no.

Name

B20300-CMS-001-0001	b-CANCubeMini Sealed
B20300-CMS-000-C001	b-CANCubeMini Connection-Set
B20300-CMS-001-S302	b-CANCubeMini Sealed Starter-Set