



Data Sheet

BRICK BMC VB2

BRICK Measurement Card BMC

Flexible BRICK Measurement Card based on FlexCard PMC-II with max 8 CAN FD ports

The BRICK BMC VB2 can be used on BRICKplus and BRICK2 Data recording systems.

This BRICK BMC VB2 is part of the b-plus AVETO Toolbox, see www.b-plus.com for more details.

Highlights

- FlexCard PMC-II based design for prevalent support in ADAS frameworks

- Up to 8 CAN FD interfaces
- Modular concept with up to 4 various bus tiny
- BRICK hardware time sync trigger

- Status indicator for easy functional diagnostics
- Extended temp from -25° to 70°
- Integrated in the μ Controller based SIODI system management for save operation



BRICK BMC VB2



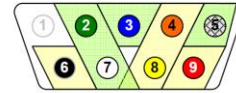
BRICK2 with BMC VB2

Features

Host Interface	PCIe 2.1, 4 lanes	
Interface	Up to 8 CAN FD ports in modular Tiny concept Other interfaces (FlexRay™) on request	2Mbit maximal bus speed
Time synchronization	Internal BRICK PPS trigger for time synchronization	
Bus cable	8 pole binder connector	DSUB 9 Bus cable connector



Pin	Colour	Name	
1	shield	Shield	Bus A
2	blue	GND/GNDiso	
3	white	Bus_P/High	
4	green	Bus_M/Low	
5	yellow	Bus_P/High	Bus B
6	orange	Bus_M/Low	
7	red	+5V	
8	black	GND	



Pin	Colour	Name	
1	-	-	Bus A
2	green	Bus_M/Low (A)	
3	blue	GND/GNDiso (A)	
5	shield	Shield (A)	
7	white	Bus_P/High, LIN (A)	Bus B
4	orange	Bus_M/Low (B)	
6	black	GND (B)	
8	yellow	Bus_P/High, LIN (B)	
9	red	+5V (B)	

Mechanic BMC Module for integration in BRICKplus and BRICK2 Systems with BMC Add-on

Cooling active cooling in BMC Add-on, PWM fan control by host system

Specifications

System

Operating System Windows 10 IoT Enterprise, Ubuntu 20.04 other on request

Electrical Specification

Supply Voltage 12V direct powered from host system

Power consumption typ. 15W

Environment Specification

operation Temperature -25°C to +70°C

non operation -40°C to +85°C

Relative Air Humidity maximum 90 %, non-condensing

Mechanical Specification

Dimensions 280 mm (W) x 248 mm (D) x22 mm (H)

Weight approx. 0,4kg

Certification CE, RoHS, REACH, VCCI, FCC, KC

Order Information

Name	Part Number	Description
BRICK BMC VB2	B17575-BMC-VB2-0008	BRICK BMC VB, BRICK Measurement Card based on FlexCard PMC-II, 8 CAN FD ports
BRICK BMC VB2	B17575-BMC-VB2-0002	BRICK BMC VB, BRICK Measurement Card based on FlexCard PMC-II, 2 CAN FD ports
Bus cable	4001596	Universal bus cable 8pole Binder connector to DSUB9