

INDUSTRIAL PRODUCT DATASHEET

CANBed DUAL - RP2040 chip based Arduino CAN Bus dev board with 2 independent CAN Bus interfaces(CAN2.0 & CAN FD)

The CANBed DUAL is a dual CAN bus development board powered by RP2040, designed for learning CAN, reading vehicle data, and prototyping.

SKU

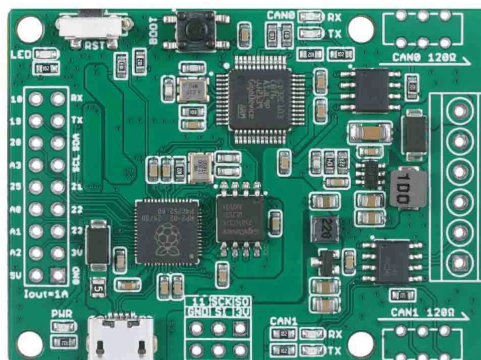
102991674

UPDATED

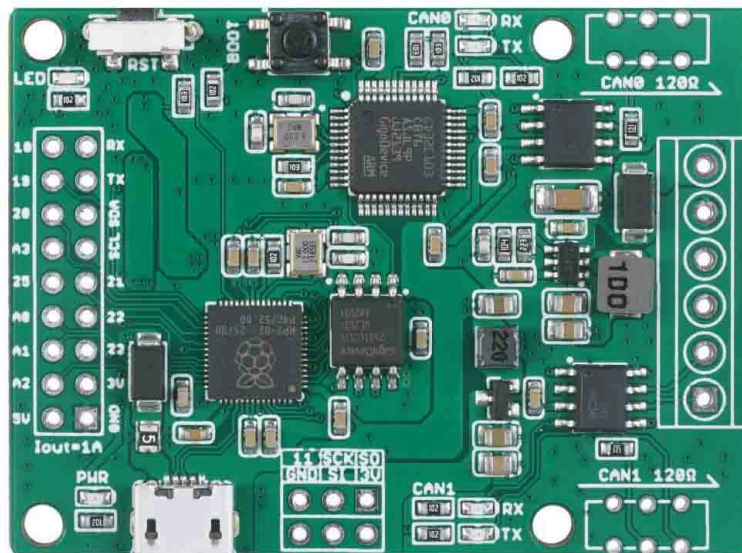
2026-04-15 07:23:05

PRICE

\$14.90(Excl. VAT)



Overview

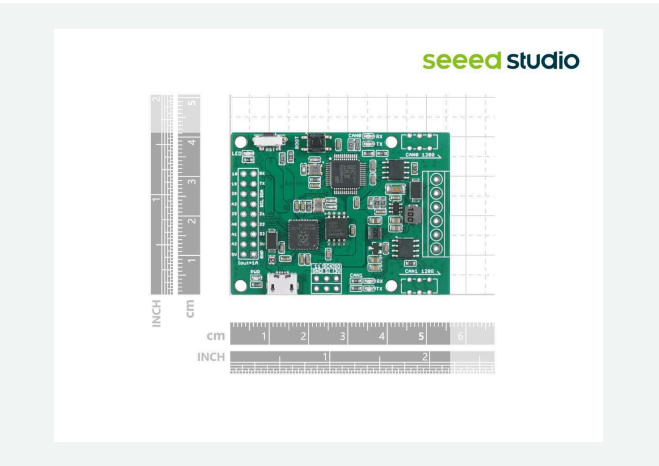
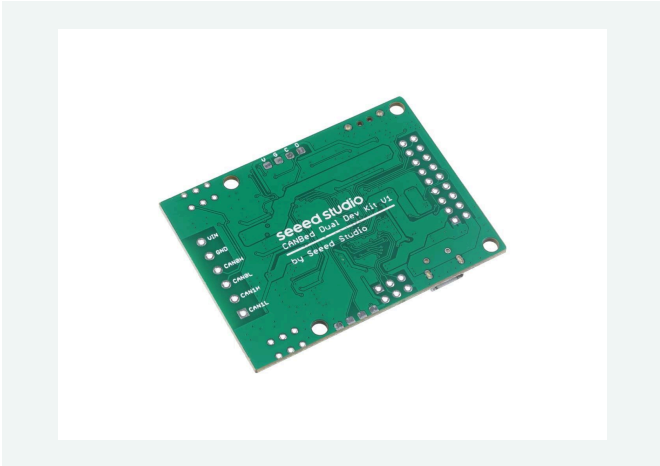
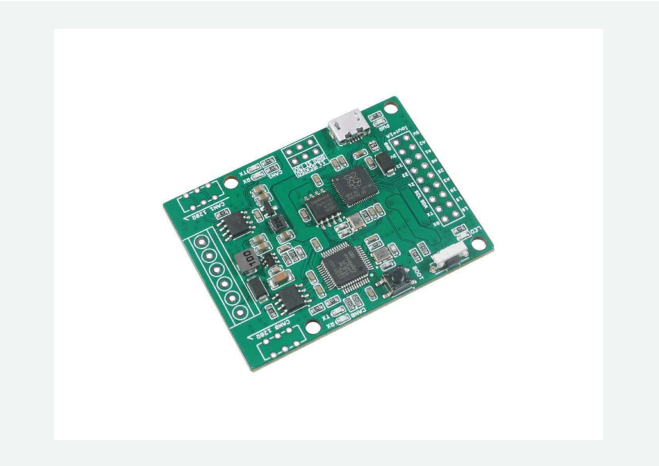
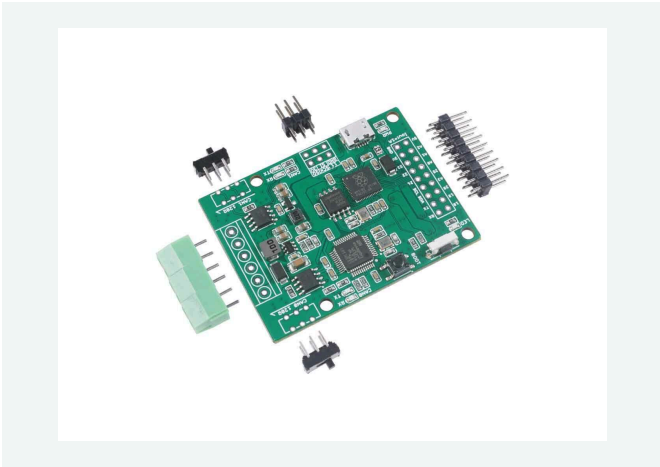
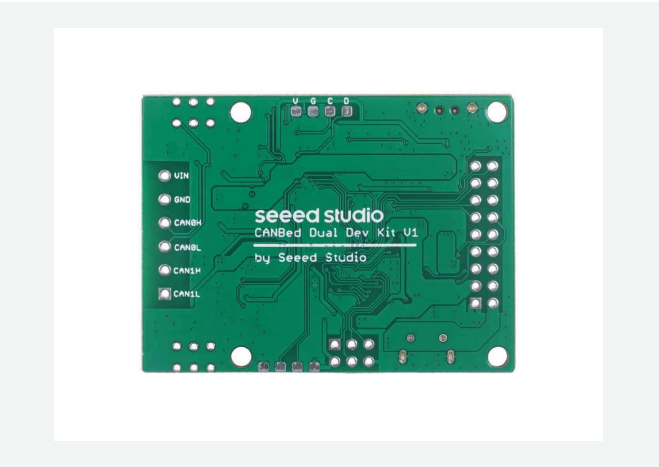


The CANBed DUAL is an Arduino-compatible development board powered by the RP2040 microcontroller with 264KB SRAM and 2MB Flash, featuring two independent CAN Bus interfaces supporting CAN 2.0 and CAN FD protocols. It includes a GD32E103CBT6 CAN controller (dual-core ARM Cortex M0+, up to 133 MHz) and provides one I2C, one UART, and one 2x3-pin SPI interface.

Key Features

- **High Performance:** Powered by RP2040 with 264KB of SRAM, and 2MB of onboard Flash memory
- **Support two CAN protocols:** CAN-FD and CAN 2.0
- **CAN controller:** GD32E103CBT6, dual-core ARM Cortex M0+ processor, flexible clock running up to 133 MHz
- **Multiple interfaces:** One I2C, One UART, One 2x3 Pin SPI Interface

Product Gallery



Specification

Parameter	Details
MCU	RP2040
Processor	Dual ARM Cortex-M0+

Clock Speed	flexible clock running up to 133MHz
Flash Memory	2MB
RAM	264KB
Operate Voltage	9-28V
Output Current @3.3V	1A
Input Interface	sub-D

Items	Wio-E5 CAN	CANBed v1	CANBed FD	CANBed DUAL - RP2040
MCU	Wio-E5 (STM32WLE5JC)	ATmega32U4(with Arduino Leonardo bootloader)	ATmega 32U4 (with Arduino Leonardo bootloader)	RP2040
Clock Speed	up to 48MHz	16MHz	16MHz	up to 133MHz
Protocol	Long Range,RS485,CANFD & CAN2.0	CAN2.0	CANFD & CAN2.0	CANFD & CAN2.0
Flash Memory	256KB	32KB	32KB	2MB
SRAM	64KB	2.5KB	2.5KB	264KB
EEPROM	-	1KB	1KB	-

Operate Voltage (CAN-BUS)	4.5~28V	9-28V	7-28V	9 ~ 28 V
Operate Voltage (MicroUSB)	5V	5V	5V	5 V 3 V
Lipo Battery	3.7V	-	-	-
Input Interface	9 pin sub-D or 4PIN Terminal	9 pin sub-D or 4PIN Terminal	sub-D or 4PIN Terminal	S u b - D a s w e l l a s T e r m i n a l
Price	\$39.90	\$24.90	\$17.90	\$ 1 9 . 9 0

CANBed Dual PCBA	1
6 Pin Terminal connector	1
6 Pin Switch	2
9x2 2.54 Header	1
3x2 2.54 Header	1

Applications

- Learn CAN Bus communication
- Read the data from the car
- Build product prototypes

Compliance & Logistics



HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/CANBed-DUAL-RP2040-based-Arduino-CAN-Bus-dev-board-2-independent-CAN2-0-CAN-FD-p-5377.html>
- [CANBed DUAL Datasheet](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com