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INDUSTRIAL PRODUCT DATASHEET

Wio-E5 CAN FD dev kit, for Long Range Application

Wio-E5 CAN Development Kit is based on the Wio-E5 STM32WLE5JC Module and supports CAN FD, CAN2.0, and RS485 communication.

SKU	UPDATED	PRICE
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Overview



Wio-E5 CAN Development Kit is based on the Wio-E5 STM32WLE5JC Module and supports CAN FD, CAN2.0, and RS485 communication. It supports industrial standards, provides a waterproof case and solar charging interface, and comes with high extensibility and compatibility. It's ideal for car hacking and Long Range sensor network management.

Key Features

01 **Support various communication methods**

CAN FD, CAN 2.0, and RS485

02 **High extendability with various sensors**

full GPIOs led out to rich interfaces, including RS-485, Grove modules for GPS, environmental detection, etc

03 **High compatibility**

support Global Long Range frequency plan with long-distance transmission range to 10km(ideal value in open area)

04 **Easy to use**

User-friendly waterproof case & solar charging interface provided for better outdoor deployment and enable temporary use when lacking an external power source

05 **Support industrial standards**

a wide working temperature at -40 ℃ ~ 85℃, high sensitivity between -116.5 dBm ~ -136 dBm, and power output up to +20.8dBm at 3.3V

06 **Learn more about Wio-E5 here.**

Product Gallery











Applications

- **Long Range sensor network management: Many sensors in the industry are transmitted through CAN BUS. With the Wio-E5 CAN Dev board you can use the on-board CAN-BUS function to read the sensors and send the data through Long Range.**
- **Car hacking: Since the circuit board can receive 5-28V input, the user can connect the circuit board to the OBD interface, get the data of the car.**

Resource Links

- https://www.seeedstudio.com/LoRa-E5-CAN-FD-dev-kit-CANBUS-p-5398.html
- Wio-E5 CAN Dev Kit datasheet
- STM32WLE5JC Datasheet

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