CANFDuino Prototyping Platform
CANFDUINO-006

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For the most up-to-date information, visit **mouser.com** or the manufacturer's website.

DESCRIPTION

Togglebit CANFDuino Prototyping Platform is ideal for stand-alone vehicle hacking and spoofing without a PC. This platform features the CANFD bus standard with speeds of up to 2Mbps to 5Mbps using two native ports. The CANFDuino prototyping platform includes a built-in prototyping shield for SMT and through-hole parts, and rugged packaging and connections. This platform also features DB9 connectors and comes in an enclosure ready to mount into any vehicle or build into any autonomous project.

The CANFDuino prototyping platform combines dual CANFD bus ports, an SD card slot, and a multitude of analog/digital IO into one complete "ready-to-modify" package. This platform also features DB9 connectors and comes in an enclosure ready to mount into any vehicle or build into any autonomous project. The CANFDuino prototyping platform comes as a ready-to-mount finished product, providing prototyping space to add hardware and open-source Arduino IDE-supported software libraries with example code.
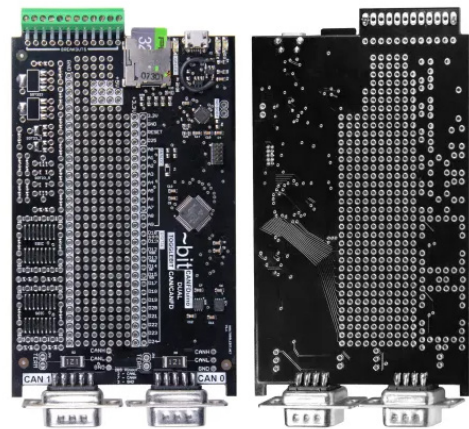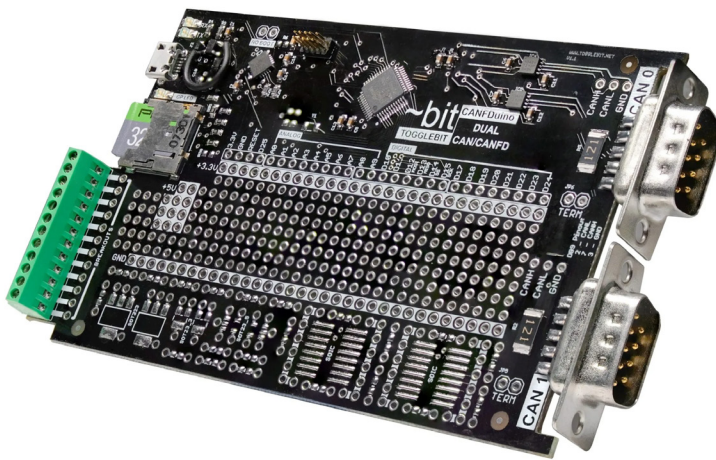
FEATURES

- Arduino IDE compatible, full library support
- Based on Microchip ATSAMC21G18A
- 2 native (fast) CAN/FD ports
- SD card slot
- 10 analog inputs
- Up to 24 digital IO w/ 14x PWM
- 2x UART (+1USB)
- 1x I²C (2wire)

- 1x SPI
- 3.3V and 5V supplies
- Rugged aluminum case w/DB9 CAN connectors and termination resistors
- Slide out PCB with prototyping space for through-hole and SMT footprints
- 12-way screw terminal block IO
- Bus sniffing support via SavvyCAN or terminal

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TOGGLEBIT

APPLICATIONS

- Tinkerers
- Hackers
- Industry professionals looking for an off-the-shelf open-source CAN bus

BOARD OVERVIEW

MOUSER PART NUMBER

View Part

To learn more, visit **https://www.mouser.com/new/togglebit/togglebit-canfduino-prototyping-platform/**