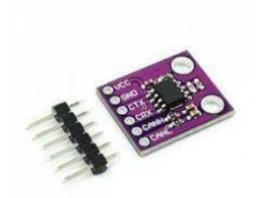
# CJMCu-2551 Can bus interface



**Produktkode:** 553aa **Tilgjengelighet:** 2 **Lager:** C 17

Pris: kr. 110,00

## **Short Description**

MCP2551 CJMCU-2551 High Speed CAN Controller Bus Interface Modul Arduino

#### Beskrivelse

MCP2551 CJMCU-2551 High Speed CAN Controller Bus Interface Modul Arduino

## Lieferumfang: 1x MCP2551 Modul ikl Stiftleisten

This is a fault tolerant high speed CAN device that can be used as a CAN protocol controller and a physical bus interface. The MCP2551 provides differential transceiver capability for the CAN protocol controller, which fully complies with the ISO-11898 standard, including 24V voltage requirements.

Typically, each node on the CAN system must have a device that converts the digital signal generated by the CAN controller into a signal suitable for bus transmission. It also adds a buffer between the CAN controller and the high voltage spikes on the CAN bus, which may be generated by external devices.

Support 1MB / S running speed.

Meet ISO-11898 standard physical layer requirements.

Suitable for 12V and 24V systems. Slope external control to reduce RFI.

Automatically detects a ground fault at the TXD input.

Power-on reset and voltage event undervoltage protection.

No power-up node or undervoltage does not affect the CAN bus. Low current standby operation.

Up to 112 nodes can be connected.

# **Chip Feature:**

Supports 1 Mb/s operation Implements ISO-11898 standard physical layer requirements Suitable for 12V and 24V systems Externally-controlled slope for reduced RFI emissions Detection of ground fault (permanent Dominant) on TXD input Power-on Reset and voltage brown-out protection An unpowered node or brown-out event will not disturb the CAN bus Low current standby operation Protection against damage due to short-circuit conditions (positive or negative battery voltage) Protection against high-voltage transients Automatic thermal shutdown protection Up to 112 nodes can be connected High-noise immunity due to differential bus implementation Temperature ranges: - Industrial (I):  $-40^{\circ}$ C to  $+85^{\circ}$ C

- Extended (E):  $-40^{\circ}$ C to  $+125^{\circ}$ C