

# TC111

## 1 channel CAN/CAN FD communication tool



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### Classic Application:

- Automotive electronics testing
- Industrial automation communication
- Embedded system integration
- Support SocketCAN

## Feature Overview

The TC111 is a single-channel CAN/CAN FD communication tool based on SocketCAN.

It is designed to make CAN communication as simple and efficient as network programming.

The TC111 supports CAN FD bus speeds up to 5 Mbps (optionally up to 8 Mbps) and connects to the host via USB. It is fully compatible with SocketCAN and comes with a complete Linux driver for excellent system compatibility.

Powered by a China-made main control chip, TC111 supports a fully domestic hardware configuration, making it suitable for a wide range of embedded and industrial communication applications.

## CAN/CAN FD Specifications

Supported Protocols	CAN 2.0 A/B (ISO 11898-1), CAN FD (ISO and non-ISO)
CAN Baud Rate	125 Kbps ~ 1 Mbps
CAN Frame Data Length	Up to 8 bytes
CAN FD Baud Rate	125 Kbps ~ 5 Mbps (8 Mbps optional)
CAN FD Frame Data Length	Up to 64 bytes; supports BRS frames
Channel Count	1 x CAN/CAN FD
Buffer	Each channel supports a transmit buffer of up to 1000 CAN frames

## Specification

PC Interface	USB2.0 (HS)
Driver	Linux driver support
Buffer	Each channel supports a transmit buffer of up to 1000 CAN frames
Connector	Standard D-Sub, 9-pin
CAN	Supports CAN 2.0 A/B protocols (ISO 11898-1 compliant); baud rate 125 Kbps ~ 1 Mbps
CAN FD	Supports both ISO and non-ISO CAN FD standards; baud rate 125 Kbps ~ 5 Mbps (8 Mbps optional)
Power Supply	Powered via USB
Power Consumption	1.5 W
ESD Protection	±8 KV contact discharge, ±8 KV air charge
Sample Point Range	Adjustable from 70% ~ 90%
Dimension	Approx. 93.7 x 47.4 mm
Weight	Approx. 104.8 g
Operating Humidity	10% ~ 90% (non-condensing)
Operating Environment	Keep away from corrosive gases

## Ordering information

Product Name	Model Number	Function Description
Network Device	TC111	1 channel CAN/CAN FD communication tool

## Shipping list

- TC111 device

## Pin definition

