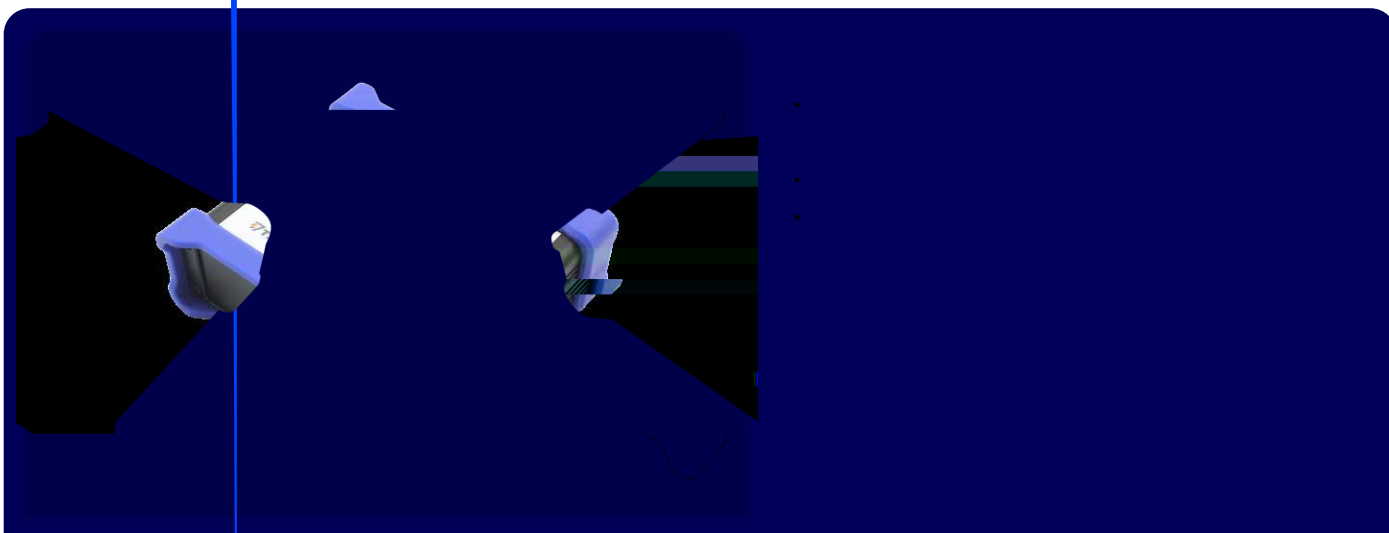


Scan the code to follow



Feature Overview

The TC1052 is a communication tool from TOSUN 1 channel 10BASE-TIS and 2 channel CAN FD-to-USB interfaces. It allows raw 10 BASE-TIS or CAN FD frames to be transmitted to a PC via USB, and PC-originated frames to be sent back to the 10 BASE-TIS or CAN FD networks.

Used with TSMaster, the TC1052 supports Ethernet data monitoring, simulation, analysis, and testing, including DoIP a SOME/IP protocol functions.

In aition to 10 BASE-TIS, the TC1052 provides two CAN FD channels (up to 8 Mbps), supporting DBC and ARXML databases for convenient monitoring, analysis, an simulation. It also supports UDS diagnostics, ECU flashing, and CCP/XCP calibration.

The TC1052 connects to the PC via USB and requires no external power, offering simple and convenient operation.

Characteristics

- μ s-level hardware timestamps provide accurate timing for advanced simulation and diagnostics
- Driver-free USB 2.0 design; fully compatible with Windows/Linux
- CAN channels feature DC2500V isolation and automotive-grade robustness
-

ID, node count, and timeout parameters for easy TIS network setup

Platform	Supported APIs		
Windows	TSMaster	Libtscan	TSdev
Linux x64	Libtscan	TSdev	
Linux ARM64	TSdev		
HarmonyOS	TSdev		

Specification

PC Interface
Timestamp Accuracy
Driver
Interface PIN
License
Power Supply
Power Consumption

10Base-T1S

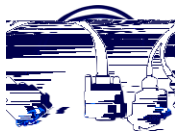
Rate	Supports up to 10 Mbps
Terminal Resistance	
Relay Type	Latching relay
Collision Control	Collision management via PLCA
Communication Mechanism	Half-duplex multi-drop communication
Ethernet Technology	Single-pair Ethernet (SPE) technology

Ordering information

Product Name	Model Number	Function Description
Network Device	TC1052	CAN FD/10Base-T1S to USB interface

Shipping list

- TC1054Pro device
- USB cable
- DB9 female to 2 male signal cable (CAN)



DB9 adapter cable
(CAN)



USB cable

Pin definition

• Left: CAN FD 1/2

• Right: 10 Base_T1S



- 5 → CAN FD_Shield
- 4 → CAN FD 2_Low
- 8 → CAN FD 2_High
- 3 → CAN FD_GND
- 7 → CAN FD 1_High
- 2 → CAN FD 1_Low



- 7 → T1S_MDIP
- 2 → T1S_MDIN

