TOSUN

TP1014

4 channel CAN FD PCIe interface device

Scan the code to follow

Classic Application:

- High-Speed CAN FD Monitoring & Simulation
- Advanced ECU Diagnostics & Flashing
- Cross-Platform, Database-Driven Development

Feature Overview

Used with the powerful TSMaster software, it supports loading DBC and ARXML database files for convenient monitoring, analysis, and simulating of CAN FD bus data. It also supports UDS diagnostics, ECU flashing, and CCP/XCP calibration functions.

Characteristics

- CAN FD monitoring software TSMaster
- Cross-platform secondary development library

Device Specifications

PC Interface	PCIe interface
Timestamp Precision	Microsecond-level high-precision timestamps
Driver	Cross-platform, driver-free design
Connector	Standard D-Sub, 9-pin
License	Supports all TSMaster paid licenses
Power Supply	Powered via PCIe

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Enclosure Material	Metal
Dimensions	Approx. 109.5 x 120 x 21.5 mm
Weight	Approx. 114.5 g
Operating Temperature	-40°C ~ 80°C
Operating Humidity	10% ~ 90% RH (no condensing)

CAN Specifications

Connection Standard	High-speed CAN (ISO 11898-2 compliant)
Supported Protocols	Full support for CAN and CAN FD (ISO 11898-1 compliant)
CAN Baud Rate	125 kbps ~ 1 Mbps
CAN Frame Data Length	Up to 8 bytes
CAN FD Frame Data Length	Up to 64 bytes; supports BRS frames
Max Frame Rate	Transmit: 18,000 frames/s; Receive: 18,000 frames/s (single channel, 1Mbps, remote frame, 0 data bytes)
Termination Resistor	120 Ω per CAN channel
Relay Type	Magnetic latching relay

Ordering Information

Product Name	Model Number	Function Description
Network Device	TP1014	4 channel CAN FD to PCIe Interface

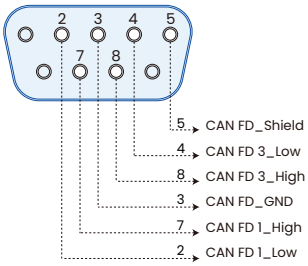
Shipping list

- TP1014 board
- DB9 female-dual male signal cable (CAN)

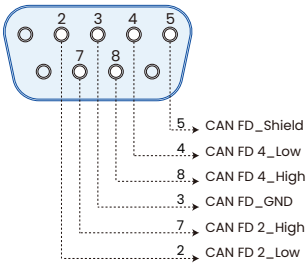
DB9 adapter cable (CAN)

Pin Definitions

- Left: CAN FD 1/3



- Right: CAN FD 2/4



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