TOSUN

TH7011

CAN FD disturbance interface

Classic Application:

- ECU sampling point testing
- ECU bus-off behavior testing
- Frame interference and frame trigger output
- Bit tolerance testing

Hardware:

- Supports USB power supply
- Supports USB and 100M/1000M Ethernet for communication between host and client

Feature Overview

TH7011 disturbance interface device designed for CAN/CAN FD bus consistency testing, primarily for digital interference. When conducting consistency testing, simple test settings can be done based on the host computer, eliminating the need for additional dedicated cables and CAN interfaces.

Product Features

- Specific bit values that can interfere with CAN/CAN FD messages; supports multiple triggering modes such as software triggering, frame triggering, and error frame triggering
- Flexibly define precision to 5ns, with a theoretical maximum length of 65536 interference points for interference sequences, allowing for custom or message sequences
- Supports bit width deviation testing, Bus-off state fast/slow recovery testing, storage, and display of ADC sampling waveform data for CAN_H and CAN_L, with a sampling speed of dual-channel (CAN_H, CAN_L) 40M AD sampling points
- Scope waveform capture

Specification

- Supports CAN and CAN FD standard frames, extended frames, and remote frames
- Supports common baud rates: 1K, 2K, 5K, 250K, 500K, 1M, 2M, 4M, 5M
- Supports configuration and transmission of CAN message sequences
- Supports detection of CAN error frame levels
- Supports CAN frame bit-wise dominant interference, recessive interference, and flip interference
- Supports internal dominant interference, recessive interference, and flip interference within selected bit time of CAN frame
- Supports configuration and transmission of CAN interference sequences
- Supports CAN frame trigger and error frame trigger functions
- Supports configurable length of CAN frame trigger level
- Supports CAN_H and CAN_H ADC sampling data waveform display and storage
- Supports recording of CAN bus bit width deviation parameters
- Supports recording of CAN bus Bus-off state recovery time

Ordering information

Product Name	Model Number	Function Description
Network Device	TH7011	CAN FD disturbance interface