TOSUN

TP1026P

1 channel CAN FD
6 channel LIN to PCIe interface

Classic Application:

- LIN bus simulation and testing
- In various automated testing systems

Feature Overview

The TP1026P offer 1 channel for CAN FD and 6 channels for LIN, specifically designed for seamless integration with PCIe interfaces. This interface card empowers computers equipped with PCIe slots to effortlessly connect to LIN/CAN/CAN FD bus networks, enabling real-time monitoring of multiple bus networks. With its compact size, the TP1026P can be easily integrated into on-board industrial computers, single-board computers (SBCs), portable industrial mainframes, and industrial laptops. Installation is straightforward, and operation is simple, making it a user-friendly solution.

Characteristics

- Microsecond-level hardware message timestamps, meeting advanced requirements
- Plug-and-play design for Windows/Linux systems, ensuring system compatibility
- Standard PCIe x1 interface
- Number of channels: 6 LIN interfaces, 1 CAN/ CAN FD interface
- CAN channel DC 2500V isolation
- Supports LDF, DBC, ARXML, and other databases through TSMaster software
- Supports BLF and ASC format data recording and offline/online playback
- Capable of supporting LIN's UDS diagnostics and Flash Bootloader
- Comes with secondary development API interfaces for Windows and Linux systems
- Can load all paid licenses for TSMaster software

Specification

Channel	6 x LIN / 1 x CAN FD
PC End	Standard PCIe Interface
CAN/LIN End	D-Sub9/D-Sub15
Driver	Windows System Plug-and-Play Design, System Compatibility
Buffer	Each channel supports a transmit buffer of up to 1000 CAN frames
CAN	Supports CAN 2.0A, B Protocols, Complies with ISO 11898-1 Standard, Baud Rates: 5Kbps—1Mbps
CAN FD	Supports ISO and non-ISO standard CAN FD, Baud Rates: 100Kbps—8Mbps
LIN	Supports LIN 1.3 and 2.0, Baud Rate: 0—20Kbps
Timestamp Precision	1μs hardware timestamp accuracy
Terminal Resistance	CAN end 120-ohm Configurable via Software
Messages Sent per Second*	Maximum 20,000 messages per second
Messages Received per Second*	Maximum 20,000 messages per second
Isolation	CAN Channel DC 2500V Isolation
Power Supply	PCIe Powered
Dimensions	141 x 125 x 21.5mm
Operating Temperature	-40℃ to 70℃

*Single : channel, 1Mbps, 0-byte data field scenario

Ordering Information

Product Name	Model Number	Function Description
Network devices	TP1026P	1 channel CAN FD, 6 channel LIN to PCIe interface

Shipping list

· TP1026P board card
· DB15 female connector to 8 banana plugs LIN bus cable