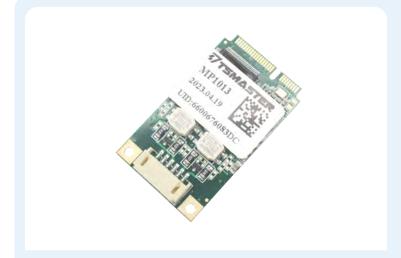


MP1013

TOSUV

Scan the code to follow

2 Channel CAN FD to miniPCIe Interface



Classic Application:

- · Automatic Driving Data Collection
- In various automated testing systems

Feature Overview

MP1013 is a device with a 2 channel CAN FD bus to mini PCIe interface, suitable for various tasks including CAN FD/CAN network development, simulation, and testing. The MP1013 interface card enables computers with miniPCIe slots to easily connect to CAN/CAN FD bus networks, allowing real-time monitoring of multiple bus networks. Its compact size makes it convenient for integration into vehicular industrial control computers, single-chip microcomputer (SCM), portable industrial hosts, and industrial laptops. It offers easy installation and simple usage.

When combined with the powerful TSMaster software, it enables convenient monitoring, analysis, and simulation of CAN FD bus data. Additionally, it supports functionalities such as UDS diagnostics, ECU flashing, and CCP/XCP calibration.

With secondary development APIs, it supports various programming environments like C++, C#, LabView, Python, etc., making it easy to integrate into different testing systems, ensuring high efficiency and usability.

Characteristics

- Microsecond (µs)-level hardware message timestamping meeting advanced requirements
- Driver-free design for Windows systems, ensuring system compatibility
- Standard MiniPCle interface complying with USB 2.0 specifications
- Dual-channel isolated CAN FDinterfaces, provided via interface boards with standardDB-9 connectors
- · CAN channel isolated at DC 500V
- Automotive-grade design, supporting DBC files, A2L files, BLF files, ASC files, ARXML files
- Supports data recording in BLF and ASC formats, along with offline/online playback
- · Capable of UDS diagnostics and CCP/XCP calibration
- Supports UDS-based Flash Bootloader
- Offers secondary development API interfaces for Windows and Linux systems
- · Supports all paid licenses for TSMaster software



Specification

Channel	2 x CAN FD	
PC End	Standard mini PCIe interface	
Driver	Driver-free design for Windows and Linux systems, ensuring system compatibility	
Buffer	Each channel supports a transmit buffer of up to 1000 CAN frames	
CAN	Supports CAN2.0A, B protocols, compliant with ISO11898-1 standard,	
	baud rate 5Kbps—1Mbps	
CAN FD	Supports both ISO and non-ISO standard CAN FD, baud rate 100Kbps—8Mbps	
Timestamp	1 μs hardware message timestamp	
Packets Sent per Second	Maximum of 20,000 frames/second	
PacketsReceived per Second	Maximum of 20,000 frames/second	
Isolation	CAN channel isolated at 2500VDC, contact discharge electrostatic level ±8KV	
Power Supply	Via mini PCIe interface	
Operating Temperature	-40°C~85°C	
Dimensions	50.1 x 30.1 x 9.2 mm	
Secondary Development	Supports Python, LabView, C#, C++, and more	

Shipping list

Product Name	Model Number	Function Description
Network Device	MP1013	2 channel CAN FD to mini PCIe Interface

Shipping list

- · MP1013 device
- DB9 male to PH-6 interface MP013 compatible CAN cable *1

