TOSUN同星

CAN(FD)/LINBus

- Automotive level CAN、
  CANFD、LINbus equipment
- Support production line interface
  module with graphical
  programming
- Flash BootLoader Embedded code
  /PC software

Diagnostic/calibration

- UDS Diagnostics embedded
  code/PC software
- CCP/XCP Calibrate embedded
  code/PC software

Rapid prototyping

- MBD rapid ECU development
- The rapid prototyping controller
  can be installed directly on the
  vehicle

Non-standard equipment / EOL equipment

- Automotive sunroof test solution
- Automotive wiper test solution
- Automotive "four doors and two
  covers" test solution
- Motor performance/endurance test
  solution
- Auto parts EOL equipment

One-stop turnkey service

For more information about any of
our products or services, please visit
our website：www.tosunai.cn

Technology BBS：
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TC1014
—— Four channel CAN (FD) interface

TC1014 is a four channels CAN and CAN FD bus interface for high-speed USB2.0, CAN FD bit rates up to 8Mbit/s. The driver-free design of Windows system makes the device have excellent system compatibility.

Support TICPSH information security test function.

TSMaster software can be used to CAN bus measurement,logging,re-play,RBS,UDS Diagnostics and flashing,CCP/XCP calibration and flashing, support DBC, LDF, ASC, BLF,ARXML files.

We supply the API for Windows, Linux, which enables the device to be easily integrated into other devices or software systems.

Suitable for R&D, ECU production line, test engineers, after-sales engineers.

Features：

- Time stamp resolution 1 μs, which meets advanced requirements.
- Portable design, unique design of mounting holes, Easy to integrate into a variety of equipment or instrument panel.
- High-speed USB2.0 interface, The driver-free design of Windows system makes the device have excellent system compatibility.
- CAN channel DC2500V isolation.
- Auto grade design, support DBC, LDF, ASC, BLF ,ARXMLfiles.
- Support BLF format data recording and offline/online playback.
- Built-in script editing, support virtual simulation, semi-physical simulation.
- Support TICPSH information security test function.
- Support UDS diagnostic and CCP/XCP calibration.
- Support TOSUN CAN Flash BootLoader series software.
- Support Windows and Linux secondary development interfaces.
- Built-in 120 Ohm terminal resistor is configurable by software.
- Support upgrade all TSMaster Register required option License.

Services：

PC software customization	Diagnostic protocol customization
Device communication interface integration	Function customization
BootLoader custom	Production line integration
CCP/XCP protocol customization	

Hardware Technical Specifications：

PC	High-speed USB2.0 interface
CAN interface	D-SUB9 interface
Driver	Drive-free design in Windows system, excellent system compatibility, Linux driver support
Cache	Communication is highly reliable without frame loss for Hardware cache
CAN protocol	Support CAN2.0A/B, conform to ISO11898-1 specification, baud rate 5kbit/s-1Mbit/s
CAN FD protocol	Supports ISO and non-ISO standard CAN FD，baud rate 100kbit/s−8Mbit/s
Channel number	4 channels CAN (FD)
Time stamp accuracy	1us，hardware message timestamp, meet advanced requirements
Messages per second sending	Maximum 20000mps
Messages per second receive	Maximum 20000mps
Electric isolation	CAN channel DC2500V isolation, electrostatic grade contact discharge ±8KV
Termination resistors	Built-in 120 Ohm terminal resistor is configurable by software
Power supply	USB power supply
Working temperature	-40℃ ~ 85℃
Shell material	Aluminum products
Size	100mm*80mm*30mm

TSMaster software related functions：

Secondary development	Support Python，LabView，C#，C++, etc
Supported protocols	CAN FD,CAN,LIN；Coming soon of Automotive Ehternet and Flexray
Max CAN channels	32
Message transmit	Raw data message and DBC/LDF message；Signal generator can be configured
Message monitoring	Monitor raw data in real time，Signal physical values can be displayed after the DBC/LDF is loaded, decoding raw CAN bus data to 'physical values'
DBC database	supported
Filter	Flexible filter configuration based on Channels, CAN ID and signal value ranges
Logging	Logging directly to computer hard drive with BLF file, Maximum recording time depends on the size of the hard disk.
Record file format	BLF file format, which could also convert to ASC or MAT format
Simulation	Support CAN residual bus simulation,Load the DBC and select the node to be emulated, C programming could create more flexible simulation.
Playback	Supports online and offline playback
Statistics	Include Bus Load, frame rate, error count, error frame rate, etc
Graphical display	Support curve, dashboard and numerical display to display physical signals value.
Programming script	C language / Python
UDS diagnostic (Additional payment options)	Support configuration of diagnostic parameters and diagnostic services, multi-frames sending. ODX files import and Flashing option is coming soon.
CCP/XCP calibration (Additional payment options)	Support A2L files import, support online/offline calibration and Flashing
Operating system	Win7/8/10/11