



Classic Application:

- ECU Data Acquisition
- Various test benches
- ECU Programming

TL1001 is a portable and easily installable device introduced by TOSUN, featuring a 1 channel LIN bus to USB interface. The LIN bus device supports a speed range of 0 to 20Kbps. The product uses a high-speed USB 2.0 interface to connect to a PC, and its driver-free design for Windows ensures system compatibility.

When used with the powerful TSMaster software, it supports loading LDF database files. This facilitates easy monitoring, analysis, and simulation of LIN bus data. Additionally, it supports functions such as UDS diagnostics, ECU programming, and more.

It can be used for secondary development API on Windows and Linux, supporting various development environments such as C++, C#, LabView, Python, etc. This makes it convenient to integrate into various testing systems, providing efficiency and ease of use.

- Unique Free-Send Mode reduces the threshold for LIN bus development and debugging
- Microsecond-level hardware message timestamp meets advanced requirements
- Portable design with uniquely designed mounting holes, facilitating integration into various devices or instrument panels
- High-speed USB 2.0 interface, driver-free design for
- Windows and Linux systems, ensuring system compatibility
- Automotive-grade design supporting LIN's LDF files
- Support for UDS diagnostics based on the LIN bus
- Support for UDS-based Flash Bootloader
- Support development interface support for Windows and Linux systems
- Software-configurable LIN bus master and slave nodes
- Support for blf and asc format data logging and offline/online playback
- Built-in script editing supporting virtual simulation and semi physical simulation

O

| | |
|-----------------------|--|
| Channels | 1 x LIN |
| PC End | High-speed USB 2.0 interface |
| LIN End | DB9 interface |
| Driver | Driver-free design for Windows and Linux systems, ensuring system compatibility |
| LIN | Supports LIN 1.3 and 2.x, baud rate from 0 to 20Kbps |
| Schedule Table | Supports LDF files and runs schedule tables, or can configure schedule tables manually |
| Timestamp | 1 μs hardware message timestamp |
| Isolation | Electrostatic contact discharge level at ±8KV |
| Power Supply | Powered via USB, external power supply required for LIN communication |
| Casing Material | Plastic |
| Operating Temperature | -40°C to 80°C |
| Operating Humidity | 10% to 90% (non-condensing) |
| Operating Environment | Keep away from corrosive gases |

P O

| Product Name | Model Number | Function Description |
|----------------|--------------|--------------------------------|
| Network Device | TL1001 | 1 channel LIN to USB interface |

P

- TL1001 device
- DB9 female connector to 3 banana plugs LIN bus cable *1

O

