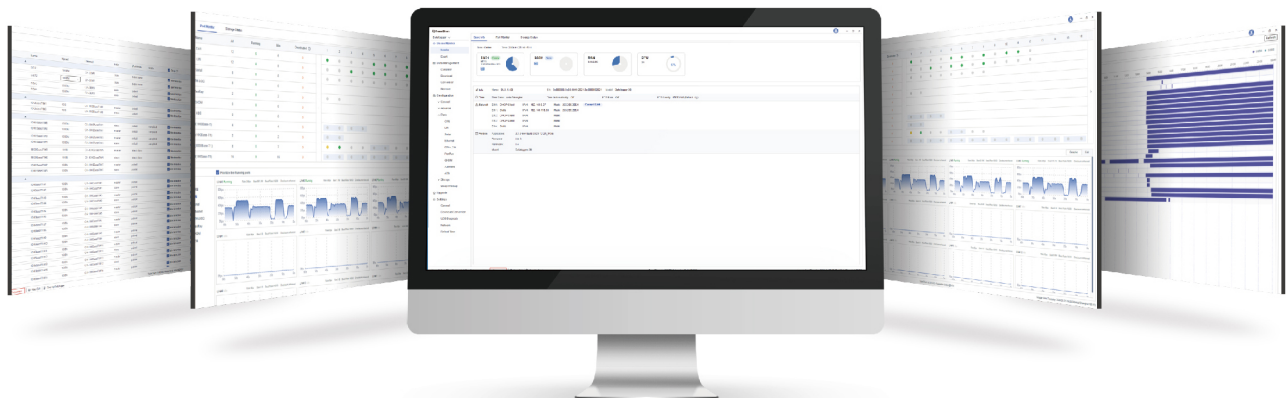


# TRACECLIENT3



## Product Description

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TraceClient 3 is a software platform developed by ZD for automotive bus data acquisition. It integrates features such as data download, data conversion, and port configuration, and is compatible with the ZD Datalogger 3. The software meets the requirements of OEMs, R&D engineers, test engineers, throughout the entire R&D process, supporting functions such as bus data acquisition, ECU development, functional testing, and vehicle testing.

# Features

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## | Usability and flexibility

- The software is tailored to the user's habits, offering easy and efficient interaction with high flexibility
- Supports the activation of various bus port types, as well as sleep and wake-up functions, and also allows for the configuration of data recording segment sizes

## | Visual real-time monitoring and preview of port data

- Real-time status monitoring of all ports
- Visual data preview by date and port

## | Segmented data download and format conversion

- Data collected in the recorder can be downloaded to the local computer in form of a ZIP packages or a folder
- Enables downloading of data from marked, adjacent time ranges to more easily identify key frames
- Offers the capability to download large data collections over extended periods of time as a whole
- Data can be transferred via the recorder's 2.5G management port at a rate of up to 200MB/s or via a direct hard disk connection at a rate of up to 400MB/s

## | Various format conversions

- |                                |   |                      |
|--------------------------------|---|----------------------|
| • CAN/CANFD/LIN: asc, blf, mf4 | • QXDM: qmdl                              | • Video streams: mp4 |
| • FlexRay: blf, mf4            | • Ethernet: pcap, blf, mf4                |                      |
| • UART/ADB/Autotalks: txt      | • Automotive Ethernet: dlt, bin, esotrace |                      |

## | Parallel data processing

- Multiple tasks such as downloading and converting data can be performed simultaneously

## | Local and hard drive data management

- Facilitates the importing and processing of data from ZIP packages or folder, including functions such as downloading, converting, and deleting
- Supports the import of data from directly connected external storage devices, allowing for efficient handling through downloading, converting, and deleting

## | Remote Access

- Access to ZD Cloud: Enables connection via wired or wireless internet devices, facilitating remote access for customers and data access from off-site locations

## | ZD Datalogger 3 management features

- Set baud rates for bus interfaces and bandwidth for Ethernet ports
- Configure device name, password, time zone, and time synchronization
- Configuration of interface activation and deactivation, and standby time
- Configure real-time dynamic forwarding for controllers and Ethernet ports
- Implementation of various filter rules to manage data flow and security
- Configuration of rules for starting and stopping recordings, including manual and automatic triggering based on signal thresholds
- Deletion of logger data
- Hard Disk management: Configure hard drive settings including ring buffer writing rules, partitioning, formatting, mounting, and unmounting

## | Provision of Python software development kit (SDK)

- Offers methods for querying and setting configurations of bus interfaces, such as baud rate and Ethernet port bandwidth
- Provides capabilities to download, convert, and delete data
- Includes methods for setting and retrieving data tags
- Features support for NTP time synchronization to ensure accurate time alignment across systems

# Application Range

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TraceClient 3 is utilized as a client software in conjunction with the ZD Datalogger 3. This software facilitates easy and comfortable configuration of the ZD Datalogger 3 for the user. Additionally, it enhances data processing with features such as data preview, download, conversion, deletion, optimizing the overall user experience.

# Specifications

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Operating Environment	
Operationng System	Win7 and above
Computer Resolution	1440*900 and above
Screen size	14 inches and above
CPU	Intel i5 Dual-Core CPU @2.8Ghz and above
RAM	8.00GB and above
Functional Parameters	
Communication Protocol	CAN, CAN FD, LIN, ETH, FlexRay, ADB, UART, QXDM, Autotalks, RTSP
Conversion Format	asc, blf, pcap, mf4, txt, dlt, bin, esotrace, qmdl, mp4
Python version	3.10, 3.11, 3.12
SDK supported systems	Windows(32/64bit); Linux(ubuntu18.04 and above)