

ANDi PREMIUM

...SIMPLIFY YOUR TEST EXPERIENCE!

DESCRIPTION

ANDi (Automotive Network Diagnoser) is a testing and analysis tool which is used for Automotive software in every development phase. All you need: Basic knowledge of programming and test automation.

The tool is designed to simulate electronic networks, test components, and to analyze test results effortlessly.

Leading OEMs worldwide trust in Technica's skills and experience to create next generation E/E architectures.

The major strength of the ANDi tool, is in depth network analysis and testing activities of Automotive Networks.

SUPPORTED FORMATS AND STANDARDS

STANDARDS

- AUTOSAR Classic and Adaptive
- AUTOSAR Time Synchronization (PTP, gPTP)
- PLP (Probe Logger Protocol)
- TECMP
- ASAM CMP

BUS DESCRIPTION

- ARXML (Classic Platform)
- ARXML (Adaptive Platform)
- LDF (LIN Description File)
- FIBEX
- PRG (via EDIABAS)
- DBC

SUPPORTED TRACE FORMATS

Signal-based trace formats:

- CSV
 - MDF
- Bus logging:
- ASC
 - BLF
 - MDF
 - PCAP
 - PCAPNG

MAIN FUNCTIONALITIES

CREATING TEST CASES

- Easy-to-learn test case creation in Python
- Large number of convenience functions and extensions
- High data rates supported for load tests
- Extensive and efficient API interfaces to import any .NET extensions

RESIDUAL BUS SIMULATION (RBS)

- User-friendly drag and drop functions for creating simulation nodes
- Extending and customizing of the generated simulation nodes with Python Scripts

TRAFFIC VIEWER

- Advanced Filtering
- Fixed functionality
- Database Mapping

MULTIPLE CHANNELS

- Specify several channels and record all the traffic they receive in one window, respecting time synchronization

MATH FUNCTION

- Display signals by a simple specification of its mathematical equation, automatically completed by the Rest Bus Simulation and Traffic Generator

IMPROVED PCAP RECORDER

- Record the entire traffic or just a part of it by defining one or multiple Start/Stop conditions
- Scroll back to view and capture past packets

GRAPHICAL PANELS

- Create your own design with use cases and test scenarios
- Visualize and modify signals and global variables by using a set of toolbox items
- Show a different image for each value of the signal by triggering messages and scripts via the transmit button

SCRIPT DEBUGGING

- Enable debugging of the test scripts and setting of breakpoints in the test script editor

SIGNAL GRAPHICS

- Generate a time-correlated graphical representation of different signals on multiple buses
- Analyze data logging into trace files

PCAP PLAYER

- Replay data from a PCAP file as live traffic to a chosen adapter time synchronization

FILE CONVERTER

- Convert a PCAP or PCAPNG file with a gateway header to a new PCAP or PCAPNG file without a gateway header

SUPPORTED HARDWARE

TECHNICA'S HARDWARE

- Captures Modules:
 - CAN COMBO
 - CM LIN COMBO
 - CM Ethernet COMBO
 - CM 100 High
 - CM 1000 High
- MediaGateway
- Enhanced Ethernet Switches (EES)
- BTS EVO

3RD PARTY HARDWARE

SYSTEM REQUIREMENTS

REQUIRED HARDWARE CONFIGURATION:

MINIMUM

- Memory: 8GB
- Storage: 8GB available space

RECOMMENDED

- Memory: 16GB
- Storage: SSD, 64GB available space

OPERATING SYSTEMS

- Windows 8, AMD64
- Windows Server 2012, AMD64
- Windows 10, AMD64
- Windows 11
- Linux (ANDi SDK)

LEARN MORE ABOUT ANDi PREMIUM

<https://technica-engineering.de/produkt/andi-tool/>

SUPPORT

To avoid potential problems, please make sure to use the latest version of ANDi. If you need help or want to report a bug, send an email to ANDi@technica-engineering.de to contact our support team.

Please include the following information in your email:

- All steps to reproduce the problem (if reproducible)
- Your ANDi version and platform (e.g., Windows 7, 10...)
- Your ANDi log files, which can be found at %appdata%\ANDi\Logs(C: \Users\YOUR_USERNAME\AppData\Roaming \ANDiLogs)

CONTACT

If you have any questions regarding this product, please feel free to contact us.

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