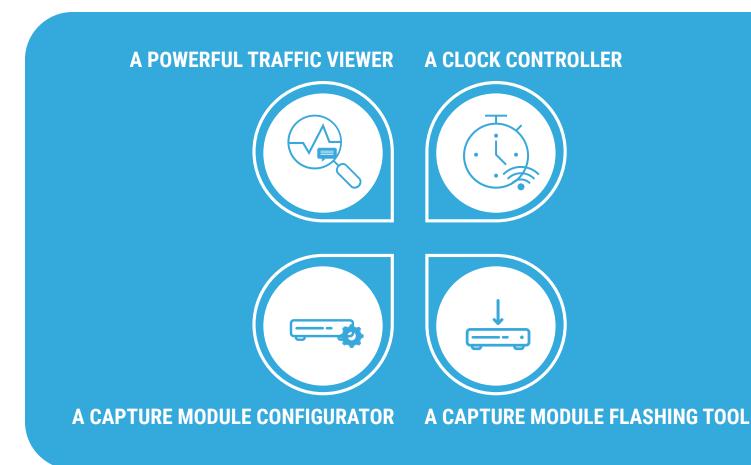


# ...SIMPLIFY YOUR TEST EXPERIENCE!

### DESCRIPTION

ANDi (Automotive Network Diagnoser) has been evolving and improving for over 10 years, addressing the challenges faced in testing Automotive technologies. We released ANDi Free to give the user a sneak peak of important features of ANDi and also help to decide whether to upgrade to ANDi premium for the full spectrum of its capabilites.

### **ANDI FREE – MAIN FUNCTIONALITIES**



### **ANDI FREE – BENEFITS**

#### **HIGH-PERFORMANCE PACKET DECODER TOOL**

• Decoding of the Automotive Ethernet stack, several hardware devices (namely Technica Capture Modules, Media Gateway, EES, etc.) and raw CAN traffic from 3rd party hardware

#### **INTERFACING WITH CAPTURE MODULE PRODUCTS**

- Configure the hardware
- Flash the capture module with new software

#### **PROCESSING OF CAN / SOME/IP TRAFFIC**

- Map the CAN / SOME/IP traffic to database files (FIBEX, DBC, ARXML, etc.)
- Analyze the incoming payload

## ANDI FREE – ADVANTAGES OVER WIRESHARK

### SPECIALIZED FOR AUTOMOTIVE ETHERNET PROTOCOLS

of the box

### HANDLING OF CAN / SOME/IP PAYLOAD

filters for these signals

### **OPERATING CAPTURE MODULES**

### **PROCESSED FORMATS**

## **ANDI FREE TOOLBAR**

## **ANDi FREE GUI**

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2	0.000019	0.000019	73		Ethernet		4294934	4528	1	160.48.199.99		160.48.199.125		,
3	0.000037	0.000018	73		Ethernet		1687552	28	1	160.48.199.99		160.48.199.125		
4	0.000052	0.000015	73		Ethernet		4294934	4528	1	160.48.199.99		160.48.199.125		
5	0.000067	0.000015	73		Ethernet		1687552	27	1	160.48.199.99		160.48.199.125		
6	0.000083	0.000016	73		Ethernet		4294934	4528	1	160.48.199.99		160.48.199.125		
7	0.000100	0.000017	73		Ethernet		1687552	26	1	160.48.199.99		160.48.199.125		
8	0.000115	0.000015	73		Ethernet		4294934	4528	1	160.48.199.99		160.48.199.125		
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The ANDi Free decoder stack is geared more towards the Automotive Ethernet protocols, decoding TECMP and Capture Module protocols (ASAM CMP coming up soon) straight out

• ANDi Free can map the CAN / SOME/IP payload to proprietary OEM database (message catalogue) files providing payload analysis on the fly, showing the signal values, providing

• ANDi Free provides additional tools to interface with your Capture Modules

• ANDi Free can read multiple capture file formats (BLF, MDF, LDF, PCAP, PCAPNG, ASC)



### ANDI PREMIUM - ADDITIONAL FUNCTIONALITIES

#### **TEST CASE CREATION**

- Easy-to-learn test case creation in Python
- Extensive and efficient API interfaces

#### **RESIDUAL BUS SIMULATION (RBS)**

- User-friendly drag and drop functions for creating simulation nodes
- ECU simulation via scripting with triggerable events or in GUI with drag-and-drop functionality

#### **IMPROVED PCAP RECORDER**

- Record your entire data stream using one or multiple Start/Stop conditions
- Automated Start/Stop recording functionality

#### **GRAPHICAL PANELS**

- Create your own design with use cases and test scenarios
- Visualize and modify signals and global variables

#### SIGNAL GRAPHICS

- Allows a time-correlated graphical representation of different signals on multiple buses
- Allows data logging into trace files to be analyzed

#### **TRAFFIC GENERATOR**

• Transmission of configured messages according to various trigger conditions

#### SCRIPT DEBUGGING

• Allow debugging the test scripts and to set breakpoints in the test script editor

#### PCAP PLAYER

• Replay data from a PCAP file as live traffic to a chosen adapter

#### **FILE CONVERTER**

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

### LEARN MORE ABOUT AND PREMIUM

#### www.technica-engineering.de/products

#### SUPPORT

For more information and special test cases, get in touch with our support team (ANDI@technica-engineering.de).