

CANexplorer 4

- Modular, efficient, intuitive – the CANexplorer 4 is a field-bus analyzing software for CAN, based on years of experience working with complex machine and vehicle CAN networks.

The modular concept provides all necessary features for analyzing and logging the complete CAN network traffic like classic text-based traces, graphs, bar-graphs, LEDs, filters and triggers. Furthermore, one can use the integrated protocol abstraction for CANopen and SAE J1939 to get pre-processed CAN data. For all proprietary protocols and RAW CAN data, one can use the integrated symbol editor in order to define own symbols for abstracting CAN frame values into human readable values.

Of course, the logged CAN data can be replayed for simulation purposes. The test setups are configured by using an intuitive drag-and-drop system where only a few clicks are necessary for preparing new test-setups. In order to enable a simultaneous operation along with other applications on a PC as well as a virtual device driver which allows testing of all functions without any connected hardware, the CANexplorer 4 finally provides a multithread support for the SiECA132 MT-API with a maximum of 512 handles.

Features

- User-defined test setups with graphic elements and drag-and-drop
- Receive, edit, transmit and abstract raw data
- J1939 and CANopen protocol support
- Modular design with possibilities for extensions
- Import and export of signal databases

Contact

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Features

NMT	NMT slave NMT master
Error control	Node guarding Heartbeat producer Heartbeat consumer: 127 messages
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Proprietary
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s

Type of bit-rate adjustment	Software switch
RPDOs	512
TPDOs	512
PDO modes	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (acyclic)
PDO linking	Yes
PDO mapping	Variable
SDO server	4
SDO client	127
Emergency producer	Yes
Emergency consumer	127 message(s)
Sync producer	No
Sync counter	No
Time stamp	No
Additional functions	None
CANopen version	CiA 301 V 3.0 CiA 301 V 4.0.2
Frameworks	CiA 302
Device profiles	CiA 405: CANopen interface and device profile for IEC 61131-3 programmable controllers
Certified	No
Availability	In stock