



PCAN-Explorer 7

Explore the Difference.

Professional Windows® Software for Monitoring, Analyzing, and Simulating CAN CC, CAN FD, and CAN XL Buses

CAN XL Support



PCAN-Explorer 7 can handle the new structure of CAN XL message frames and shows the corresponding information chunks.

Python Scripting



PCAN-Explorer 7 now supports Python scripting language. With Python you can access the full Object Model of PCAN-Explorer 7 and create small automation tasks for your daily work in CAN environments.

Fine-Graded Trace Playback



With PCAN-Explorer 7 now while you can playback a CAN trace, we can also go through the CAN messages in meaningful chunks using breakpoints. You can even single-step through the trace files.

Apply Multiple Symbol Files



With PCAN-Explorer 7, now it is easy to add a new device along with new CAN message definitions by just applying the necessary additional Symbol file. It is not necessary to merge the new definitions into an existing file like in PCAN-Explorer 6.

Enhanced Licensing



PCAN-Explorer 7 offers flexible licensing options, including the new **floating licenses** for your enterprise environment. Dongle and machine based Single-user licenses are also available.

J1939 FD Support



With PCAN-Explorer 7 you can take advantage of analyzing J1939 FD traffic with PCAN-Explorer 7 and its J1939 Add-in



EMBEDDED SYSTEMS
SOLUTIONS

PEAK
BY HMS NETWORKS

PCAN – Explorer 7

Professional Windows® Software for Monitoring, Analyzing, and Simulating CAN CC, CAN FD, and CAN XL Buses

Connection to CAN CC / CAN FD / CAN XL

- Connection with up to 64 buses, independent of their CAN specification
- Simultaneous connections with multiple CAN interfaces independent of their hardware type
- Support for the CAN specifications CAN CC (classic CAN 2.0), CAN FD, and CAN XL (ISO 11898-1:2024)

Reception and Transmission

- Display of CAN traffic in sortable receive and transmit lists with various information like ID, length, data, time-outs, message count, and cycle time
- Highlighting of data changes on incoming CAN messages in Receive and Watch windows, applies to raw values and symbolic representation
- Error frame indication can be activated for each connection
- Display of connection's receive, transmit, and error states
- Messages can be grouped as transmit lists, stored and loaded as desired, e.g., in order to emulate CAN nodes

Symbolic Representation

- Clear and readable representation of CAN messages based on the Symbol format from PEAK-System:
- Signals are used for data presentation and processing by add-ins such Plotter and Instruments Panel

- Direct application of third-party data description files (.dbc, .arxml) with the Bus Descriptions Add-in

Recording

- Trace function for logging of CAN data traffic, optionally along with errors
- Saving of the logged data as readable TRC text files or CSV files
- Conversion of saved recordings to third-party file formats like MDF4 and ASC with the free PEAK-Converter
- Representation of the logged messages with details such as time stamp, type, ID, length, and data bytes
- Subsequent examination of the logged data with the help of Symbol files

Playback

- Playback of CAN data traffic directly from files or from the buffer
- Operation of multiple playbacks to different CAN channels at the same time
- Optional playback with breakpoints or in single-step mode for in-depth analysis
- Playback of a specified section of a recording
- Playback of third-party file formats like BLF and MDF4 by using the free file conversion tool PEAK-Converter

Add-Ins

- Plotter
- Instruments Panel
- Bus Descriptions
- J1939

