What is CANoe?
CANoe is the comprehensive software tool for development, test and analysis of individual ECUs and entire ECU networks. It supports network designers, development and test engineers at OEMs and suppliers throughout the entire development process – from planning to system-level test. Versatile variants and functions provide the appropriate project support. Therefore, its versatile functions and configuration options are used worldwide by OEMs and suppliers.

Overview of Advantages
> Only one tool for all development and testing tasks
> Easy automated testing
> Simulate and test ECU diagnostics
> Detect and correct error situations early in the development process
> User-friendly graphic and text-based evaluation of results
This means savings in time and effort while enhancing the quality of ECU development at the same time.

CANoe ADAS configuration with scene window, trace window and extended data window for analysis of complex data types.
Diagnostics/Diagnostic Tester
The Diagnostic Feature Set included with CANoe supports you in analyzing diagnostic communication via the KWP2000 and UDS standards. CANoe may be used both as a diagnostic tester and to simulate ECU diagnostics. In addition a complete OBD-II Tester is integrated.

CANoe Variants
CANoe pro
The ‘professional’ variant is intended for users who want to take advantage of the full range of CANoe functions. Simulation models can be created with CAPL and .NET. Test cases are easy to model with the Test Feature Set.

CANoe run
The ‘runtime’ variant is suitable for users who want to quickly and easily test their ECU in interaction with a specified remaining bus simulation. Configurations cannot be changed, but analysis functions are fully available and network nodes can be easily connected and disconnected.

CANoe pex
The ‘project execution’ variant provides a graphical user interface exclusively. Simulation, test cases and results are easily controlled without the need to specifically evaluate the underlying messages.

Supported Network Systems, Protocols and Options
> Network systems:
  CAN, CAN FD, LIN, MOST, FlexRay, Ethernet, WLAN, Car2x ITS G5, DIN 70121, ISO/IEC 15118, GB/T 27930, J1708, AFDX® and ARINC 429
> Protocols:
> CANoe options:
  AMD/XCP, DiVa, For EtherCAT, Scope, Sensor and SmartCharging

More information: www.vector.com/canoe

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