VCARSYSTEM

ADVANTAGES

- Supports remote calibration, measurement, and diagnostic flashing
- Supports CAPL and Python script editing, can complete complex simulation testing work
- Supports vehicle Ethernet protocol conformance testing and vehicle control network protocol conformance testing based on vehicle Ethernet OPEN TC8 and custom test standards
- The core software is independently developed and controllable
- Software is stable and reliable

APPLICATION SCENARIOS

- Network development
- Network simulation
- Network testing
- Calibration and measurement
- ECU/Vehicle Development
- ECU/vehicle diagnostics flashing

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VCAR DAS

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VCAR DAS

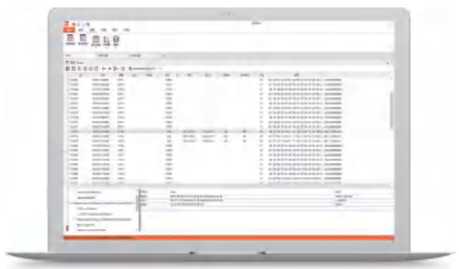
INTEGRATED SOFTWARE FOR AUTOMOTIVE DEVELOPING, TESTING, AND ANALYZING

VCAR DAS integrates automotive bus simulation, analysis, testing, diagnosis, database editing, calibration testing, as well as radar, video, and GPS data monitoring. It supports CAPL scripts and Automotive Ethernet communication protocol. Not only does it possess outstanding features such as node simulation, diagnostic flashing, database editing, and parsing, but it also enables automated development testing, significantly enhancing development efficiency and accuracy.

FEATURES

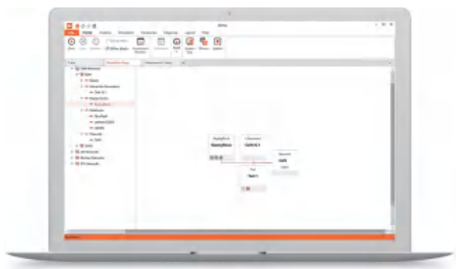
Bus analysis, recording, replay

- Supports CAN/LIN/FlexRay/Ethernet bus analysis
  - Supports DBC, LDF, Arxml, Fibex database signal parsing
  - Supports bus signal import oscilloscope analysis
  - Supports Ethernet packet protocol field parsing
  - Supports various filters
- Supports data recording, offline/online data replay
  - Supports online logging file recording
  - Supports online playback data injection
  - Supports offline data playback analysis
  - Supports multiple file formats such as BLF, PCAP, ASC, MDF, etc



Node simulation

- Node simulation
  - Supports CAPL node simulation
- IG module
  - Supports custom message sending
  - Supports adding messages from the database
  - Supports button, manual, periodic sending
- Replay Block
  - Supports playback node addition and configuration
- Database import
  - Supports DBC, LDF, Arxml, Fibex database import

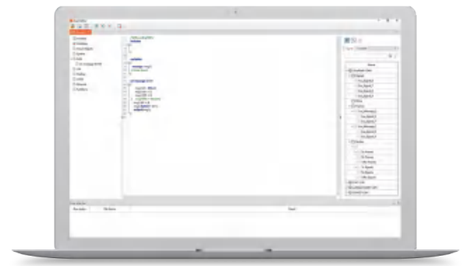


UDS diagnosis

- Supports CAN/CANFD/Ethernet diagnostics
- Supports CDD, ODX, PDX file import
- Supports parsing of diagnostic message parameters
- Supports diagnostics related parameter configuration
- Supports security unlocking algorithm DLL file import
- Supports custom diagnostic service command configuration
- Supports multiple diagnostic commands to execute configurations in order

CAPL, Python automated testing

- Full support for CAPL interface, quick switch from CANoe to VCAR DAS
- The CAPL program runs in real time, and the test cases are executed accurately in chronological order
- Add DBC, LDF, Arxml database messages and signals by dragging and dropping
- According to user needs, support custom CRC, E2E, SecOC interface development
- Supports Python test script development



Vehicle Ethernet simulation, analysis, and testing

- Supports 2-7 channels layer Ethernet message sending and receiving
- Supports Ethernet protocol field parsing
- Supports TCP/IP protocol stack configuration, supports VLAN configuration
- Supports DoIP diagnostic protocol testing
- Supports SOA simulation testing based on SOME/IP protocol
- Capable of parsing SOME/IP payload
- CAPL programming interface, supports Socket and Output methods
- Send and receive Ethernet messages