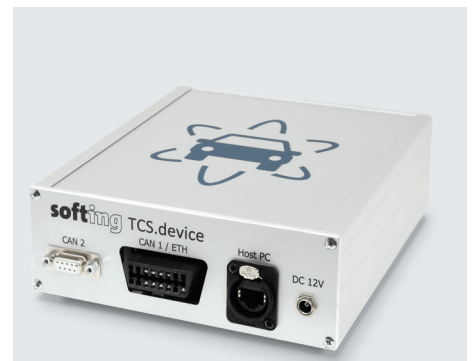
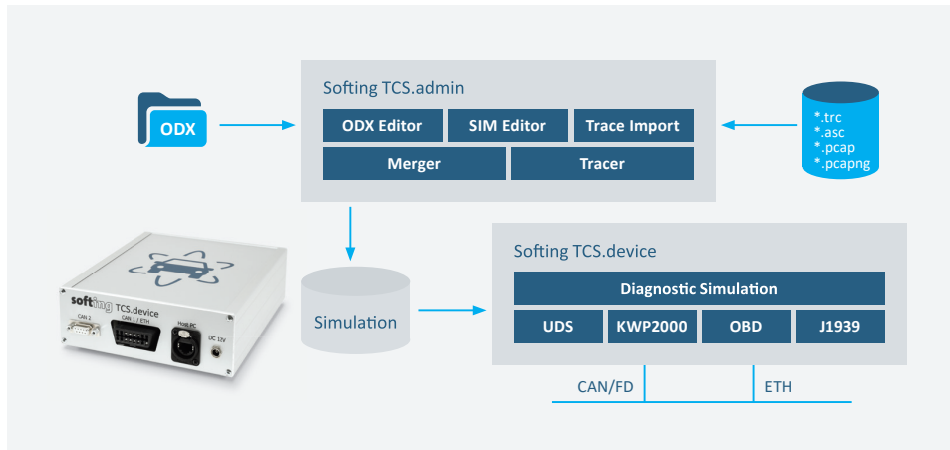


Softing TCS

Configurable diagnostic simulation as a replacement for real ECUs or vehicles.

optimize!
softing

Softing TCS is the diagnostic simulation for all cases where no ECU or vehicle is available, for example for test preparation, regression testing or in training and teaching facilities.



Areas of Application

- Test preparation in development, testing and production
- Release tests of testers and production systems
- Regression tests by testers
- Tester training and support

Features & Benefits

- Development of tests before the control unit is available
- Mastering the diversity of variants by archiving simulation files
- Verification of the entire communication path
- High test quality thanks to a wide range of configuration options
- Good and bad case tests
- Modification and exchange of the simulation via the programming interface

Frontloading in Test Preparation

Creating test sequences is often challenging along the entire value chain: The ECU required as a test counterpart is missing. But particularly in the test environment, the test methodology should be developed at an early stage to run function tests as soon as the ECUs are available. Which means it is useful if the test sequences are already available and tested. This is simple with Softing TCS because test sequences can already be verified during ECU development. The entire communication path, including VCI and cabling, is tested to exclude all sources of error.

Tester Regression Tests – Without Changing ECUs

Software updates at regular intervals ensure that diagnostic testers are assigned all the latest functions. The ECUs required for a regression test must be available in entirety and in all variants to be able to ensure sufficient test coverage. As this is usually impossible, a simulation is the required solution. With the simulation, it is easy to select ECUs and ECU variants: All you have to do is exchange simulation

files in the unit. You can take care of this manually using the intuitively operable graphic user interface or conveniently in test automation with the automation interface.

Teaching Facilities

Training employees is important – within the setup at OEMs, but also and especially for repair shop employees. Various vehicles of different brands are regularly required for this purpose. A simulation is a great help when it is difficult to obtain such vehicles or keep them on hand. A simulation file matching the desired model is simply imported into the simulation and the diagnosis can then be studied – in the training room and without having to use a car hoist.



AUTOMOTIVE
automotive.softing.com

Technical Data Device

Housing	approx. 175 x 165 x 55 mm
Temperature range	Operation 0 ... +35 °C / Storage: -40 ... +80 °C
Power supply	Via supplied power supply unit 12V or 24V for cars or trucks
PC interface	LAN (alternatively USB stick)
Vehicle interface	OBD socket D-SUB (for CAN-ECUs)
Protocols	UDS (ISO 14229), OBD (SAE J1979), SAE J1939

Technical Data Software

Operating system	Windows 10 (64-bit) Windows 11 (64-bit)
Recommended system	Intel Core i5 >7th Generation / Core i7, 4 Core-Processor, 6GB RAM

Product Components

Softing TCS.device	Hardware for diagnostic simulation as a replacement for real ECUs or vehicles
Softing TCS.operator	User interface for control of the simulation by inexperienced users
Softing TCS.admin	Configuration and management application for diagnostic simulations
Softing TCS.testbench	API for integrating the diagnostic simulation into test automation systems