Automotive
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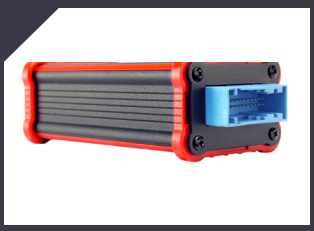
Signal Generators

High Performance Simulation



Signal Generators

Signal generators are important components of vehicle simulations based on powerful microprocessors. They can send, receive and convert CAN signals to simulate a variety of vehicle functions such as the vehicle speed, the door switch, the stop and the light control, etc..

In addition to vehicle simulations, signal generators can be used in the design and test of electronic devices and the development of on-board electronics. Depending on customer requirements, the signal generators can be individualized to enable even more functions.

CS-GE-2



The CS-GE-2 has two CAN lines that support direct conversion and output of the received CAN signal. It has a particularly compact and robust design and can therefore be easily integrated into simulations. The CS-GE-2 can also be connected directly to the test bench or to a car. It is based on an exceptionally powerful micro-processor that supports fast encryption and decryption to support flexible and secure application scenarios.

SX-G1


The highlight of signal generator SX-G1 is that it supports Flexray (A+B). Besides it has LIN and CAN interfaces, which enables ECU simulations, message filtering and processing various gateway functions of different car models. The signal generator can forward messages between all bus interfaces and thus also functions as a connecting element between connected objects. Both hardware and software are designed for all application scenarios in the vehicle, including quiescent management via CAN and Flexray.