

## CAN-FD – Putting Real Time to the Test Environment

OEMs, suppliers and test system manufacturers agree—CAN-FD will fill the bandwidth gap for automotive systems between classic CAN and FlexRay. Needless to say, Kithara will also provide the corresponding CAN-FD real-time connection which allows for high-precision measurement results and control commands for demanding testing tasks.

With this, CAN-FD fits itself seamlessly into Kithara RealTime Suite alongside other relevant bus systems and protocols, thus complementing the function library towards a comprehensive real-time environment for automotive test applications.

CAN-FD (Flexible Data Rate) is an extension of the CAN protocol that extends the payload capacity from 8 bytes to 64 bytes, thus achieving increased data rates of up to 8 times higher than

classic CAN, without raising integrations costs. The protocol also benefits from advanced data safety due to improvements to the cyclic redundancy check.

This is why CAN-FD will have a set place in the future automotive development. For this, however, the bus system requires a coherent high-performance real-time solution such as Kithara RealTime Suite, which combines all interfaces involved in order to even allow for the implementation of many development and test processes.

For an up-to-date overview of Kithara products and a variety of test versions visit our website at [www.kithara.com](http://www.kithara.com).

