



Simma Software

Simma Software Expands Embedded Software Library with J1939-22 Release

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J1939 Software Stack to Support CAN FD

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January 3, 2022, Terre Haute, IN – Simma Software, Inc. announced today an addition to their J1939 software capabilities with the release of a J1939-22 software stack. Having supported the J1939 protocol since inception of the company, this is an important addition to the firm’s J1939 software suite.

The J1939-22 standard from SAE describes the data link layer using the flexible data rate as defined in ISO 11898-1. Commonly called **CAN FD**, the flexible data rate capability in CAN is implemented as a transport layer in order to allow for functional safety, cybersecurity, and extended transport capability. J1939 FD includes several advantages versus standard CAN including: up to 64 byte data payloads, multiple PGNs can be combined into a single CAN FD frame, and higher bit rates. This increases packets per second (PPS) and network throughput.

About Simma Software, Inc.

Simma Software, Inc. specializes in real-time embedded software and hardware for the automotive, military, and industrial automation industry. Products and services include protocol stacks, bootloaders, device drivers, training, and consultation on the following technologies: **J1939**, CAN, CAN FD, LIN, J1587, J1708, J2497, J1922, J1979, ISO 15765, OBD-II, CANopen, UDS, XCP, and NMEA2000. The firm also has a full suite of vehicle network adapters supporting RS232, USB, and Bluetooth interfaces.

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