



Simma Software

Simma Software Releases CAN FD Device Driver for the Microchip dsPIC33CK

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Microchip dsPIC33CK CAN FD Software Driver

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June 1, 2020, Terre Haute, IN – Simma Software, Inc. announced today the release of a high-performance CAN FD device driver for the Microchip dsPIC33CK microcontroller. The release of this CAN driver adds to the growing list of MCUs that Simma Software supports and are used in conjunction with the major CAN protocols including J1939, ISO 15765, [UDS](#), CANopen, XCP, and NMEA 2000.

The dsPIC33CK family features a single 100 MIPS 16-bit dsPIC DSC core with an ample list of on-chip peripherals including CAN flexible data rate (CAN FD). CAN FD features network speeds up to 5 Mbps and data payloads up to 64 bytes. The DSCs allow for the design of high-performance, precision motor control systems with low power consumption. They are also well suited for use in other high-performance general-purpose designs and applications.

The [CAN software](#) for the dsPIC33CK adds to an already robust list of supported Microchip parts. According to JR Simma, the firm’s founder and current Director of Engineering, “We have a long history with the dsPIC33 starting with the dsPIC33F and dsPIC33E families. With customers employing CAN FD into new designs, we prioritized doing the development work to support the dsPIC33CK.”

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, 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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