

# J1939 Interface Options

Created by the SAE [J1939](#) Experts

Simma Software offers three different J1939 software interface packages and four J1939 network adapters. Our software interface packages are high-performance real-time protocol stacks and handle all SAE J1939 related details. Our network adapters are low latency bridges designed for use onboard heavy-duty and commercial vehicles.

## J1939 Interface Software:

**ssJ1939-Light:** Our smallest J1939 protocol stack. ssJ1939-Light implements the J1939 data link and network management layers but omits support for transport protocol (i.e. message fragmentation). Support for a single J1939 network.

**ssJ1939-Full:** Our most common J1939 protocol stack. ssJ1939-Full implements the J1939 data link, network management, and transport protocols. Support for a single J1939 network.

**ssJ1939-Multi:** Our largest J1939 protocol stack. ssJ1939-Multi implements the J1939 data link, network management, and transport protocol layers. Support for multiple J1939 networks

## J1939 Interface Hardware:

**VNA-232:** Our simplest J1939/J1708 adapter. Up to two J1939/CAN network interfaces and a single J1587/J1708 interface for communicating with a vehicle and RS-232 to communicate with the host computer.

**VNA-USB:** Our lowest cost J1939/J1708 adapter. Up to two J1939/CAN network interfaces and a single J1587/J1708 interface for communicating with a vehicle and USB to communicate with the host computer.

**VNA-WiFi:** Our wireless J1939/J1708 adapter. Up to two J1939/CAN network interfaces and a single J1587/J1708 interface for communicating with a vehicle and WiFi (wireless) to communicate with the host computer.

**VNA-Value:** Our lowest cost J1939 adapter. Up to two J1939/CAN network interfaces for communicating with a vehicle and USB to communicate with the host computer

---

Simma Software, Inc. specializes in real-time embedded software for the automotive industry.

Products and services include protocol stacks, bootloaders, device drivers, training, and consultation on the following technologies:

J1939, CAN, J1587, J1708, J2497, J1922, ISO 15765, CANopen, UDS, XCP, LIN.

**Simma Software, Inc**  
5940 South Ernest Drive  
Terre Haute, IN 47802  
**Toll Free:** 888-256-3828  
**Fax:** 208-445-2913

[www.simmasoftware.com](http://www.simmasoftware.com)