# SAE J1939 to RS232 & USB Gateway With 9-Pin Deutsch Connection Cable



*The JCOM.J1939.SER gateway is a high-performance, low-latency, serial vehicle network adapter for SAE J1939 applications. It allows any host device with an RS232 or USB port to monitor SAE J1939 data traffic and communicate with the SAE J1939 vehicle network.*

**GREENFIELD, Mass.** - **Jan. 27, 2020** - *[PRLog](#)* -- The gateway supports the full [SAE J1939](#) protocol, according to SAE J1939/81 Network Management (Address Claiming) and SAE J1939/21 Transport Protocol (TP). An extensive programming interface supports Windows and Linux/Ubuntu applications, including full C/C++/C# source code for short time-to-market developments.

The strength of the gateway lies in the fact that the full SAE J1939 protocol, including all timing requirements, is stored on-chip, thus taking the burden off the primary control system.

The board uses an RS232 or USB COM port to communicate with the central system, i.e., all data transfer is handled through standard COM port access. The communication protocol between the board and the primary system is thoroughly documented and thus allows porting to any computer system with a serial (RS232/USB) connection. Working source code libraries exist for Windows (C# under Visual Studio 2012/2013), Linux and its derivatives (C++ using Code::Blocks), and Raspberry Pi (C using the standard GCC compiler).

With all its features, the jCOM.J1939.SER gateway allows the simulation of an SAE J1939 ECU (Electronic Control Unit) using embedded solutions such as the Raspberry Pi, BeagleBone, Arduino, Teensy, and others but also PCs running Windows, Linux (incl. Ubuntu, Fedora, etc.), Android, or iOS.

The [communication protocol between the gateway and the host system](#) (PC, Embedded System, Android System, etc.) is well documented, and we provide C source code to read and write CAN data frames.

Also, the gateway is supported by our [JCOM1939 Monitor, an SAE J1939 Monitoring, Analyzer and ECU](#)

[Simulation software under Windows](#).

The JCOM1939 Monitor Software is the perfect tool to monitor, analyze, and simulate SAE J1939 data traffic. This comprehensive and easy-to-use, easy-to-understand Windows software displays not only SAE J1939 data traffic; it also allows scanning the network, simulating an ECU (incl. full node address negotiation features), and responding to data request messages.

[More Information...](#)

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