



J1939 Software

The J1939 protocol stack was designed to meet the demanding needs of the high speed Controller Area Network (CAN). The J1939 source code uses a high performance modular design and has a simple API. It is written entirely in the C programming language and can be used on any platform with a 8/16/32 bit micro-controller, either with or without an operating system. Benchmarks have shown the stack to be 700% more efficient than other commercially available solutions.

Features

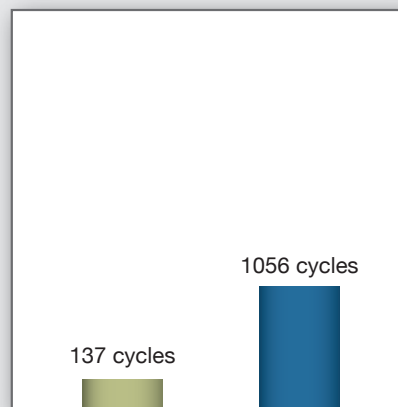
The J1939 source code allows for all of the standard usages of J1939 including:

- Sending and receiving of messages
- Message timeout monitoring
- Message filtering
- Request message processing
- Diagnostic message processing
- BAM and CM transport protocol processing
- Static and arbitrary address claim

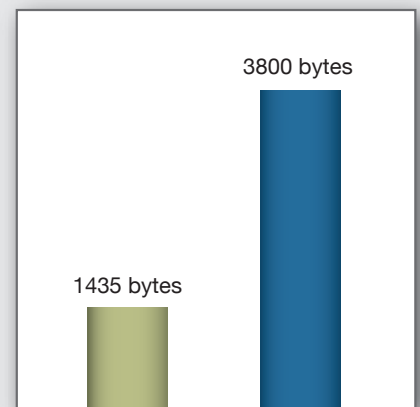
Deliverables

Deliverables include the J1939 protocol stack, well documented source code, a complete user's manual, and examples showing how to send and receive J1939 messages.

CPU Cycles per Msg (approx. for HCS12 CPU)



Code Size Comparison (approx. for HCS12 CPU)



Simma Software Competitors

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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, J1850, J1979, ISO 15765, OBD-II.

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