



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

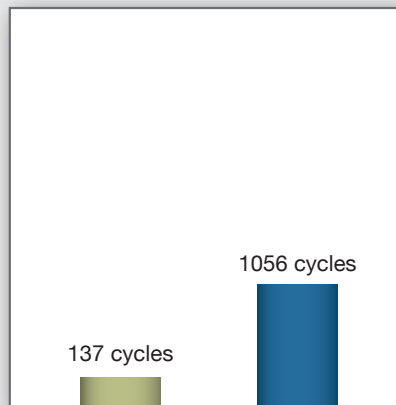
The J1939 source code allows for all of the standard usages of J1939 including:

- *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

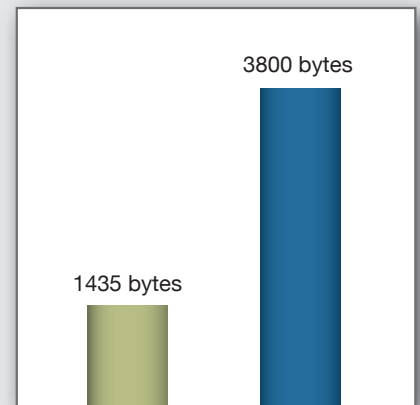
Deliverables include the J1939 protocol stack, well documented source code, a complete user's manual, and examples showing how to send and receive J1939 messages.

CPU Cycles per Msg  
(approx. for HCS12 CPU)



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Code Size Comparison  
(approx. for HCS12 CPU)



Simma Software Competitors

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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