

CAN/USB CONVERTER

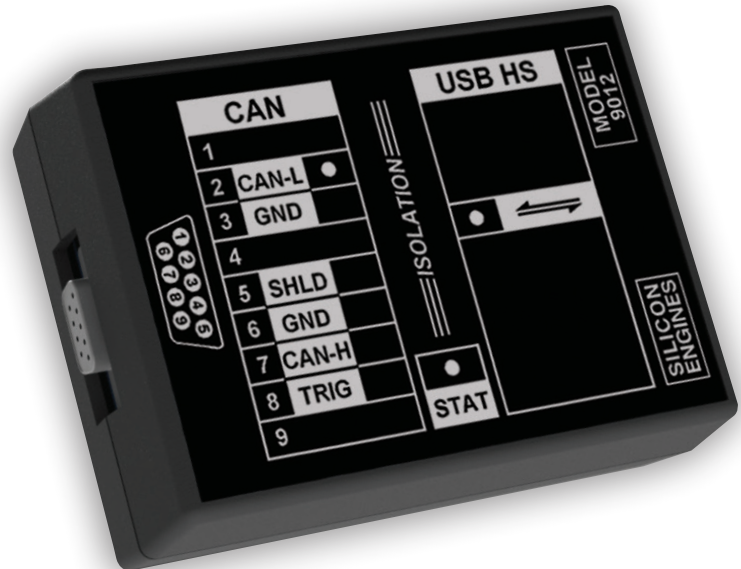
SILICON
ENGINES

MODEL 9012

The Model 9012 CAN/USB Converter is a versatile tool serving as a bridge between a personal computer and systems that implement the CAN bus interface.

Use the PC to monitor CAN bus activity, send test messages, and capture log files. Set triggers to capture specific data or faults using the PC-side software, provided free of charge with the Model 9012 converter.

In use world-wide for development, production, and service, Silicon Engines data converters are the economical choice for design and test engineers.



SPECIFICATIONS

- Compatible with two-wire automotive and industrial CAN systems
- Supports CAN data rates up to 1 megabit/second
- High-speed USB 2.0, 480 megabits/second, to PC
- No dropped bus traffic at 100% CAN bus utilization at 1 mb/s
- Built-in CAN bus termination, can be enabled/disabled from PC
- Full electrical isolation between CAN side and USB (PC) side
- Versatile trigger output keyed to specific CAN event for visualizing bus traffic on scope or logic analyzer
- Includes USB cable to connect to PC USB port
- Includes CAN Message Center Software for connected PC
- Includes Microsoft Visual Studio/Visual Basic source code at no extra charge to provide a head start in developing custom PC software that communicates with CAN systems

AUTOMOTIVE DATA CONVERTERS

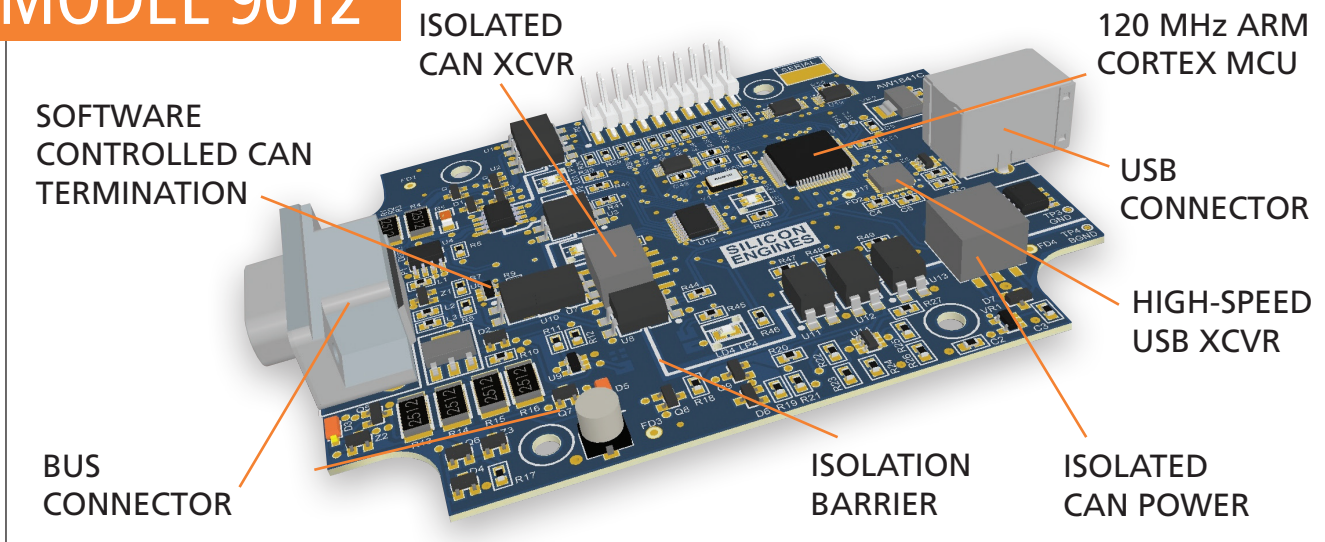
Rugged, compact devices for development, production, and service

DEVELOPMENT ► For engineers developing new automotive and industrial control modules

PRODUCTION ► For test engineers running end-of-line production tests

SERVICE ► Allows a PC to serve as a diagnostic analyzer—for dealer networks, service depots

MODEL 9012



Thousands of Silicon Engines data converters in use world-wide...

Developed especially for design and test engineers...

Interface conversion: Converts data between the CAN bus and USB for connection to a personal computer.

Built for speed...

Powerful 32-bit ARM Cortex M3 processor, with extra RAM to buffer messages, handles 1 megabit/second CAN traffic. USB at 480 megabits/second acts as a high-speed pipe to the PC, avoiding the loss of USB data traffic, even at maximum CAN bus speed, 100% CAN bus utilization.

Isolation...

Full electrical isolation between the CAN bus and USB. Avoids issues with ground differentials between an automotive or industrial bus, and a personal computer.

Power...

The Model 9012 receives all needed power from its USB connector. An internal regulator generates isolated power for the CAN transceiver.

Software support...

No need for costly software packages to run the Model 9012. The CAN Message Center provides a desktop window to view and control CAN traffic. We provide .NET source code at no extra cost, which can be used to generate custom CAN bus test systems.

Check out our website at www.siliconengines.net for other models supporting LIN, ISO-9141, ISO-14230, and CAN.

SILICON ENGINES

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