

Overview

The VNA-USB, with Binary Boost™, is a high-performance low latency vehicle network adapter. It allows any host device with a USB connection to simultaneously communicate on all three vehicle networks.

The VNA-USB supports dual J1939/CAN interfaces, with auto baud detection, and a single J1587/J1708 interface. All interfaces are certified for zero packet loss with continuous 100% bus load.

Power Savings

All VNA devices (VNA-232, VNA-USB, VNA-LAN and VNA-SA) avoid vehicle battery drain by automatically entering deep sleep mode when idle.

Binary Boost™

Binary Boost™ is a simple and efficient technology for doubling the bandwidth between the host and VNA-SA.

Features

- *ARM Cortex-M3 core delivering 150 DMIPS*
- *Hi-Speed USB interface (480Mbps)*
- *J1587/J1708 x1, with 5.2.2.1 compliance*
- *J1939/CAN x2, with auto baud (250K and 500K)*
- *Internal message buffering*
- *200 message filters or pass-all mode*
- *Collision detection, with automatic retries*
- *Field programmable*
- *SAE J1939-82 certified*
- *Automatic deep sleep mode (< 1mA)*



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, CANopen.

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