VNA-232

J1939 to RS232

Overview

The VNA-232, with **Binary Boost™**, is a high performance low latency vehicle network adapter. It allows any host device with a RS-232 connection to simultaneously communicate on all three vehicle networks.

The VNA-232 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, and VNASA) 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

- J1587/J1708 x1, with 5.2.2.1 compliance
- J1939/CAN x2, with auto baud (250K and 500K)
- RS-232, from 9.6Kbps to 1Mbps
- 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)
- Load dump and reverse bias protection

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, ISO 15765, CANopen, UDS, XCP, LIN.