

VisSim/CAN™

Controller Area Network Development Interface

Key Highlights

- User selection of up to 8 distinct data types and offsets into the data packet
- User-controlled transmit data length
- 11-and-29-bit identifiers
- Masking allows “don’t care” bits in receive address
- Optional byte swapping supports foreign architectures
- Display data exchange status
- Connect to multiple CAN identifiers
- Receive pin indicates receipt of message
- Transmit enable pin controls transmit timing

System Requirements

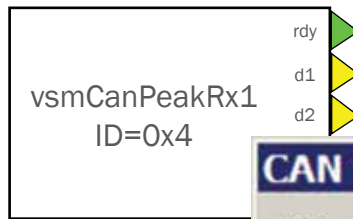
- Professional VisSim v9.0
- Windows XP, Vista, 7, or 8
- 128 MB RAM
- 125 MB hard disk space
- USB CAN device

Introduction

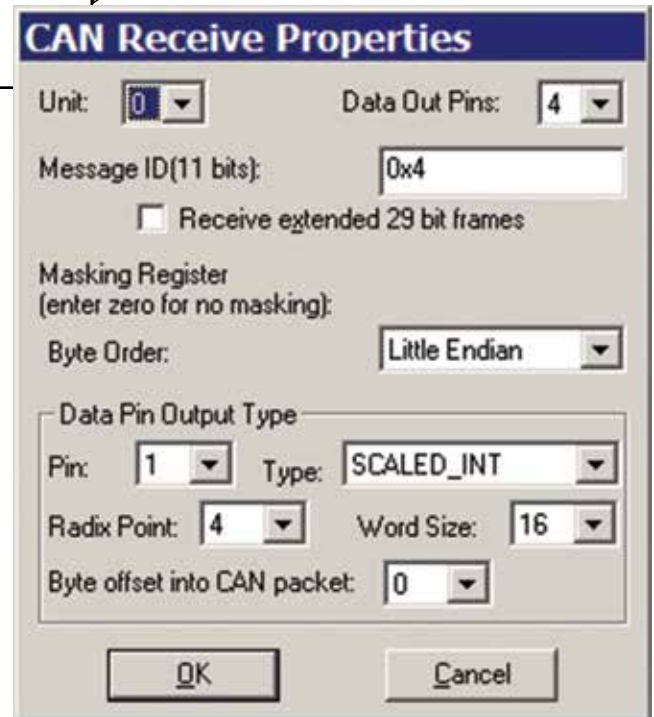
VisSim/CAN provides an inexpensive development interface for exchanging data with a PCAN USB Controller Area Network (CAN) device. Using VisSim/CAN, you can view data in plots and strip charts, or log it for later analysis.

To read or write CAN data from VisSim, simply plug in the USB-CAN device, wire CAN read and/or CAN write blocks into the diagram and click the Go button. You can transmit and receive from any number of different bus IDs in a single diagram. Baud rate, data types, and byte offset within the data packet can be quickly updated through intuitive dialog boxes.

VisSim/CAN supports bus speeds of 1 MHz, 500 kHz, and 250 kHz.



Properties dialog box for the CAN receive block.



We selected VisSim/CAN for developing inter-device CAN communication for an automated glucose measurement system. The ability to control packet size and CAN address, and interpret the size and type of data bytes within the packet, gave us the flexibility we needed. I highly recommend VisSim/CAN.

Adam Fettig, Software Engineer, Luminous Medical