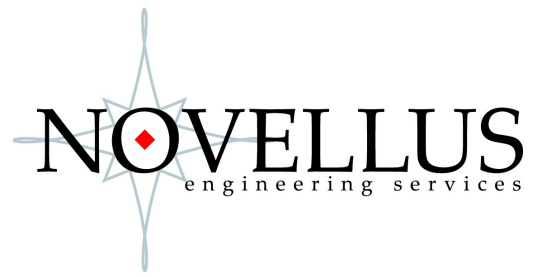


# TRICAN V2



## Description:

This handheld device collects and displays CAN data from the vehicle's OBDII port. The resulting data is displayed on the TriCAN V2 and/or on the user's device through a Bluetooth connection. This tool is a CAN network device is compatible with CAN 2.0B (medium & high speed CAN networks) as well as CAN FD. It has built in CAN termination that can be turned on or off as required by the network.



## Basic Operation:

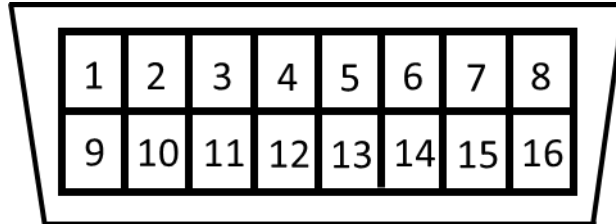
The TriCAN V2 is a flexible CAN network tool that can talk to any medium speed, high speed, or CAN FD network. Each tool comes with a USB cable and an OBDII cable with one connector for high speed and CAN FD. Custom software can be written for any application or just stream raw CAN data. The Bluetooth functionality can be customizable for customer specified applications. The TriCAN V2 tool conforms to ISO11898-1:2015 standards and will support arbitration bit rates up to 1 Mbps and data rates up to 8Mbps with 32 bit time stamps. The tool can be powered through the USB cable or from the OBDII connection. The TriCAN V2 comes in a rugged, handheld plastic case for long term durability in field use applications. Let Novellus Engineering Services create a custom software application for your specific use case to improve data collection and testing.

- Selectable Options:**
- ◇ USB or Bluetooth interface
  - ◇ Sample rate
  - ◇ CAN 2.0B or CAN FD
  - ◇ Custom Bluetooth Apps
  - ◇ CAN address filtering and masking
  - ◇ Storage cases

Novellus Engineering Services Inc. 44800 Helm Street Plymouth, MI 48170  
(734)335-7307  
info@novelluseng.com

## OBDDII Connector Pinouts:

- (1) NIC
- (2) NIC
- (3) +HSCAN
- (4) GND
- (5) NIC
- (6) +FDCAN
- (7) NIC
- (8) NIC
- (9) NIC
- (10) NIC
- (11) -HSCAN
- (12) NIC
- (13) NIC
- (14) -FDCAN
- (15) NIC
- (16) V\_BATT



## Electrical Specifications:

Signal	Minimum	Maximum
Input Voltage through the OBDII Connections	+5.35 VDC	+16 VDC
Input Power through the USB Connection	+4.75 VDC	+5.25 VDC
Operational Temperature Range	-40°C	+85°C
Sleep Current	10µA	
Arbitration Rate		1 Mbps
Data Rate		8 Mbps
FIFO Configurable Buffers		31
Flexible Filters & Mask Objects		32

**Dimensions LxWxH: (514x89x29)mm with cable**



**Novellus Engineering Services Inc. 44800 Helm Street Plymouth, MI 48170  
(734)335-7307  
info@novelluseng.com**