



# EntelNet™ Wi-Fi Module



## Engine Monitoring and Alert Communications System.

The EntelNet™ service is a multi part system which combines the information received from the engine ECU (via CAN Bus), Analog (resistance, voltage, etc.) or Serial data (RS-232 for NMEA 0183, typical for GPS) and an over the air communications system, i.e. Wi-Fi (other services i.e. GSM or Iridium satellite available) to provide remote control and monitoring of on-board systems.

### Interface

Connected directly to the CAN Bus, Real-World data is sent by the EntelNet™ Wi-Fi module.

The data, GPS speed, Map position, Instrument data and CAN error code information is displayed in an easy to read application built for the Android® operating system and can be view by any internet capable device i.e. Smart Phone, Tablet or Computer. No wires needed.



Get the technicians involved.

Send the engine and other critical data anywhere in the world to be diagnosed.

Helps reduce warranty costs and can help lessen repair time.



### Standard Features

- No additional costs
- Send the engine and other critical data anywhere in the world to be diagnosed.
- Helps reduce warranty costs and can help lessen repair time.
- Data can be viewed on a secure website for remote systems diagnostics.

Faria Beede Instruments, Inc.  
P. O. Box 983  
Uncasville, CT 06382  
860.848.9271  
Fax: 860.848.2704

88 Village Street  
Penacook, NH 03303  
603.753.6362  
Toll-free: 800.451.8255  
Fax: 603.753.6201

Made in the USA

fm-001-0128 rev A 11/2015

www.FariaBeede.com

## Environmental Specifications

- Shock (Non-operating):
  - 50 +/- 2 G and a half sine duration of 11 +/- 2ms. per MIL-STD-202, Method 213
- Vibration (Non-operating):
  - 4 G peak, 10 to 200Hz
  - SAE J1455 Appendix A
- Temperature:
  - Operating: -40°C to 85°C
  - Storage: -40°C to 85°C 50% RH
- Humidity:
  - 95% relative humidity @110°F (43°C) non-condensing
- Salt Spray:
  - Front is Corrosion resistant per ASTM B117-73

## Electrical Specifications

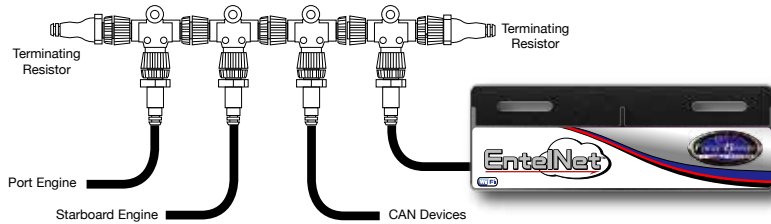
- Maximum Draw:
  - Transmitting: 325 mA
  - Receiving: 225 mA
- Load Equivalency Number: 7
- Reverse Polarity Protection:
  - Standard entire system
- Load Dump:
  - Meets SAE J1113, 3 positive 80V transients one minute intervals
- Operating Voltage:
  - 11.5-16 VDC standard
- Over Voltage:
  - Withstands 18V continuously for one hour
- Output Signal Switching:
  - 150 mA Max.

## Mechanical

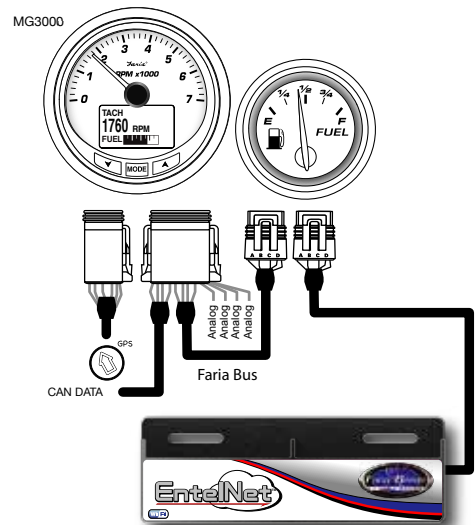
- Sealing:
  - IP 67 compliant

## Wiring Connections

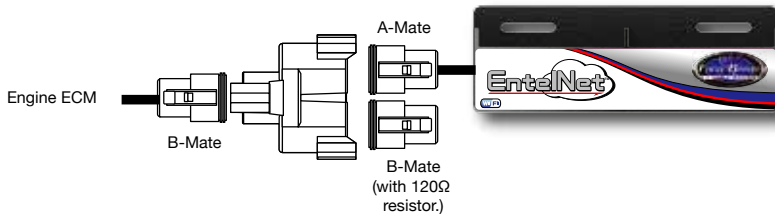
### Direct to NMEA CAN backbone



### Connected to Faria Bus



### Direct to J1939 CAN bus with Deutsch connectors



### Custom OEM solutions - Flying Lead or customer connector to the CAN bus



## Dimensions

