



# EntelNet™ Wi-Fi Module

EntelNet

Wi-Fi Remote Engine Monitoring



## 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.

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Made in the USA

## 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

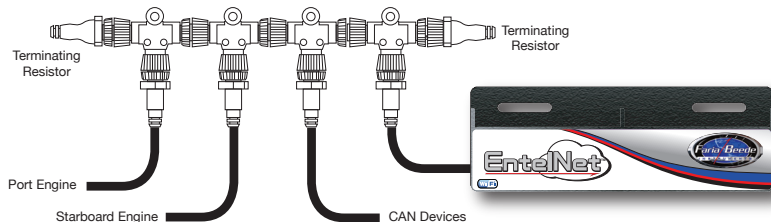
Output Signal Switching:  
 150 mA Max.

## Mechanical

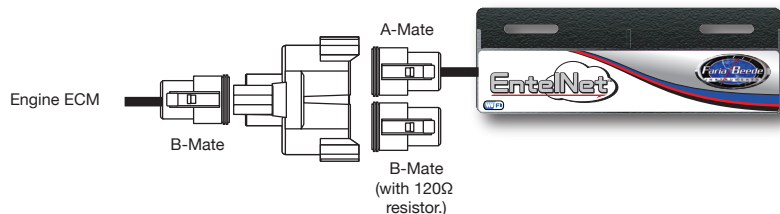
Sealing:  
 IP 67 compliant

## Wiring Connections

### Direct to NMEA CAN backbone



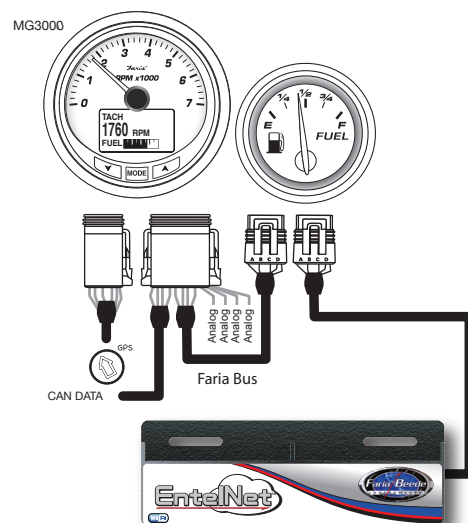
### Direct to J1939 CAN bus with Deutsch connectors



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



### Connected to Faria Bus



## Dimensions

