Patent Pending

What is it?

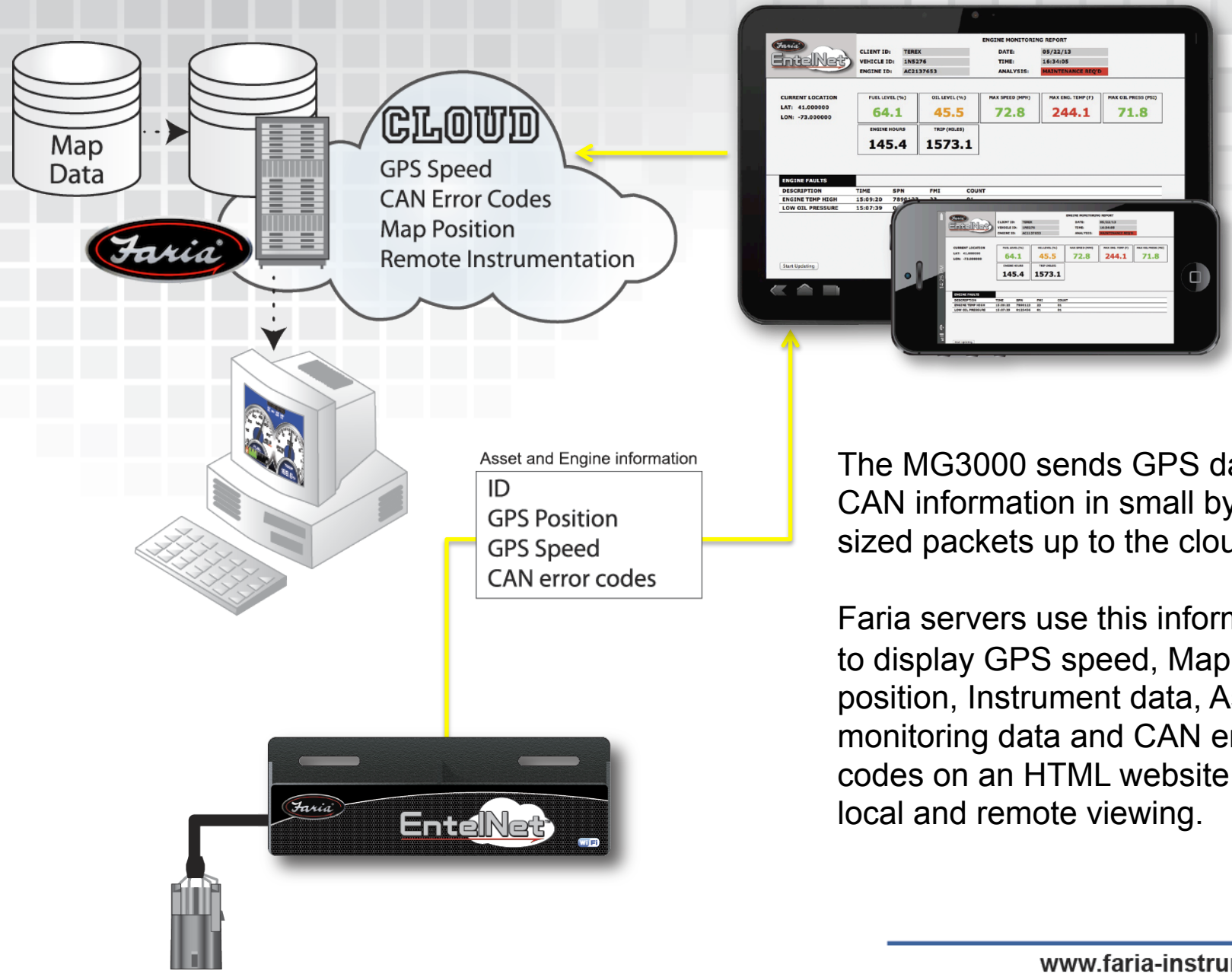
EntelNet™ is

- A multi-part system
- Uses the MG3000 to combine and send
  1. The information received from the engine ECU (via CAN Bus), SAE J1939 NMEA 2000
  2. Analog (resistance, voltage, etc.)
  3. Serial data (RS-232 for NMEA 0183, typical for GPS)
- To an over the air communications system, i.e. Wi-Fi data
- *Provides remote control and monitoring of on-board systems*

What Does That Mean?

With the EntelNet™ system you can use your smart device to monitor your engine data and critical vessel information right from the palm of your hand and view the *Real-World data* being sent by the engine ECU.

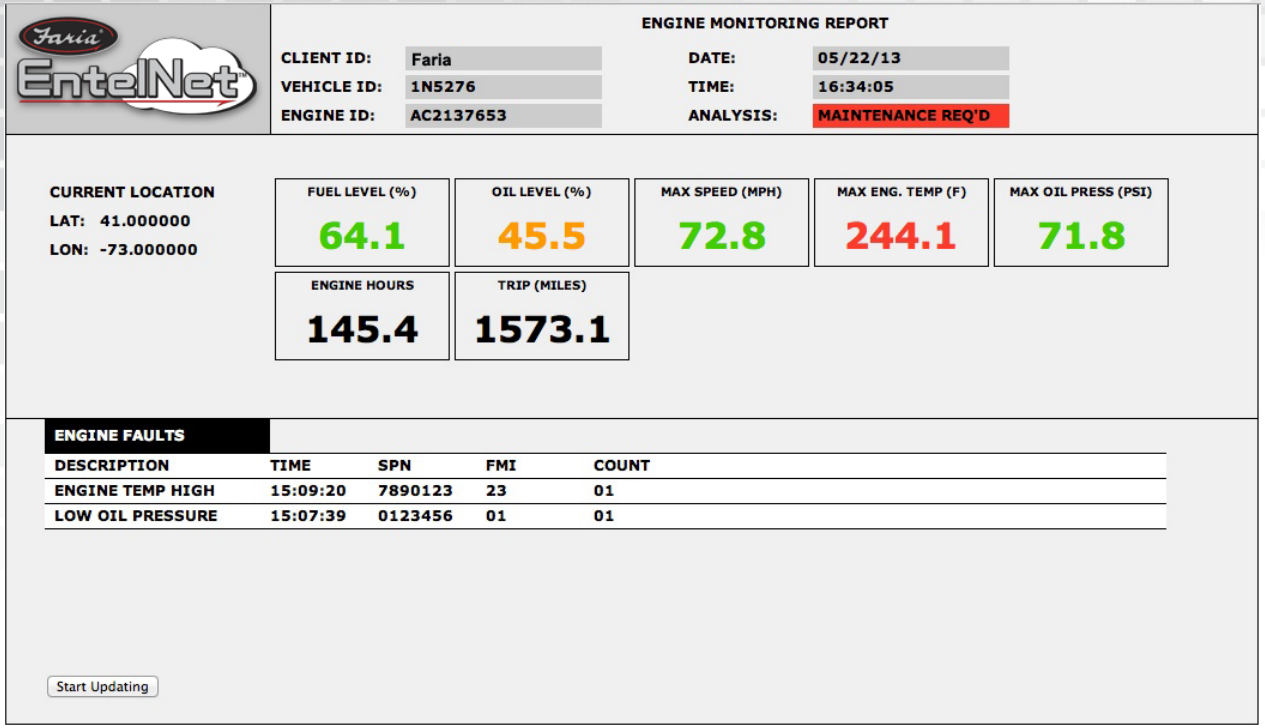
Cloud Based Communications



The MG3000 sends GPS data and CAN information in small byte sized packets up to the cloud.

Faria servers use this information to display GPS speed, Map position, Instrument data, Asset monitoring data and CAN error codes on an HTML website for local and remote viewing.

HTML Report Website



Real-World data sent from the MG3000, via the Wireless module is displayed.

The data, GPS speed, Map position, Instrument data and CAN error code information is displayed in an easy to read website and can be viewed by any internet capable device.

Dedicated App for Android®

Real-World data sent from the MG3000, via Wi-Fi, is displayed in a dedicated App for Android smart devices.

The data, GPS speed, Map position, Instrument data, Asset monitoring data and CAN error codes is displayed in a virtual instrument dash board right on the screen.

Multiple “pages” can be displayed including:

- Standard and Secondary instruments
- Ballast Tank monitoring and control
- Cruise Control
- Depth – Side scrolling contour
- Fuel Management
- Digital Switching and Lights
- Error Codes

Faria is also developing a dedicated app made for the Android® market place.

How does it do that?

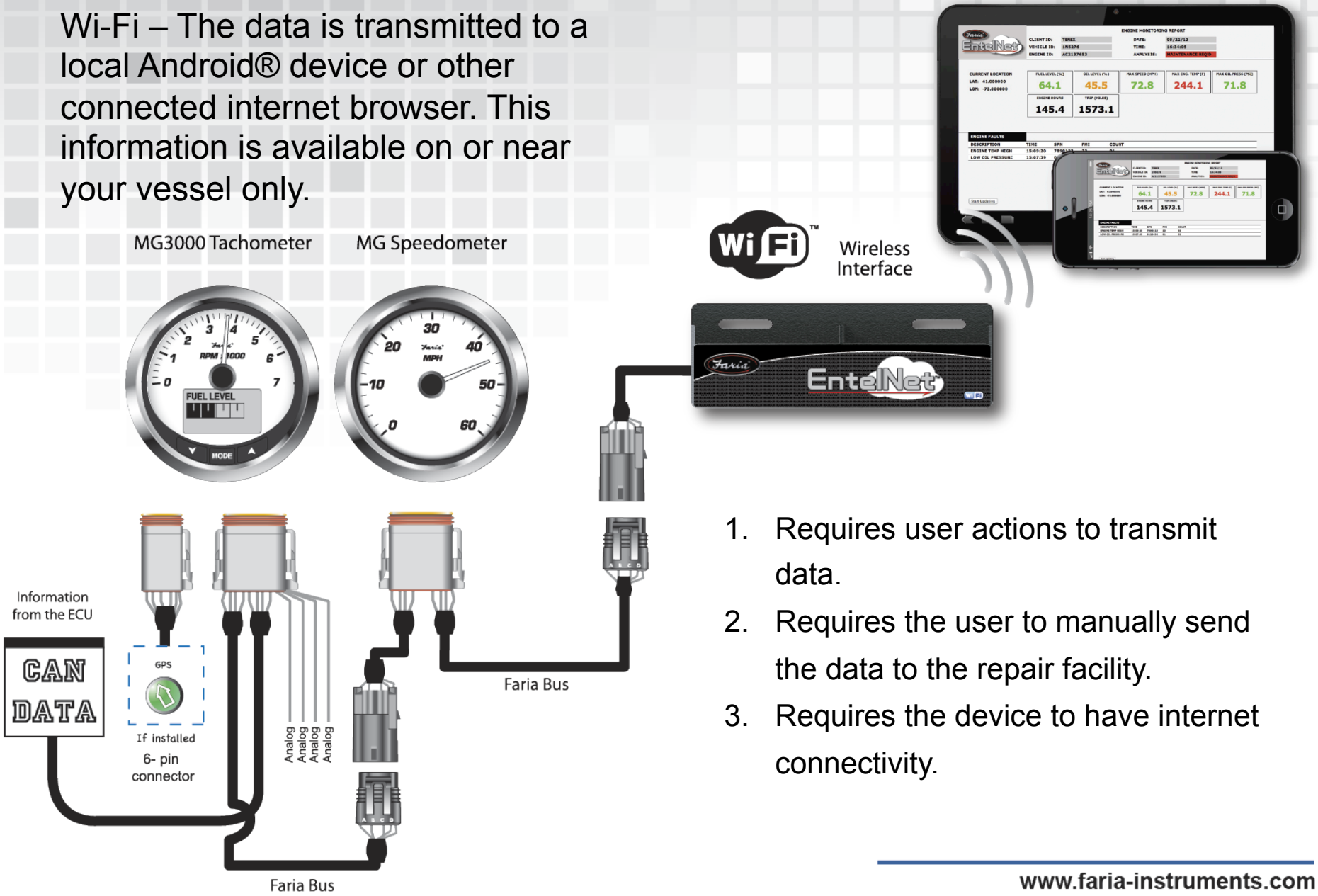
The EntelNet™ offers 2 ways to send Real-World data up to the cloud;

Local - to your device

Connected - to an approved internet hotspot

Local - to your device

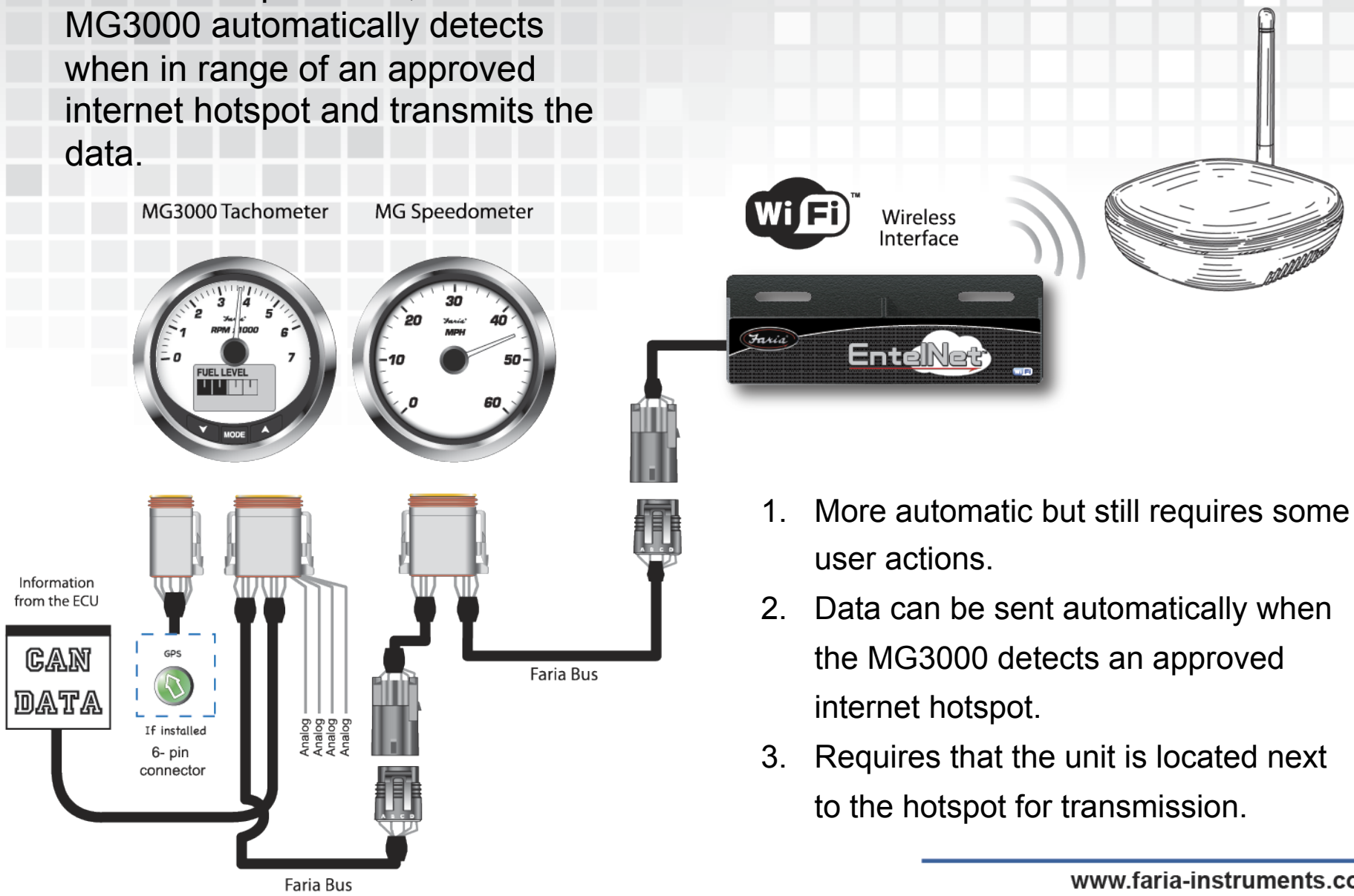
Wi-Fi – The data is transmitted to a local Android® device or other connected internet browser. This information is available on or near your vessel only.



1. Requires user actions to transmit data.
2. Requires the user to manually send the data to the repair facility.
3. Requires the device to have internet connectivity.

To a local hotspot

Wi-Fi – with power on, the MG3000 automatically detects when in range of an approved internet hotspot and transmits the data.

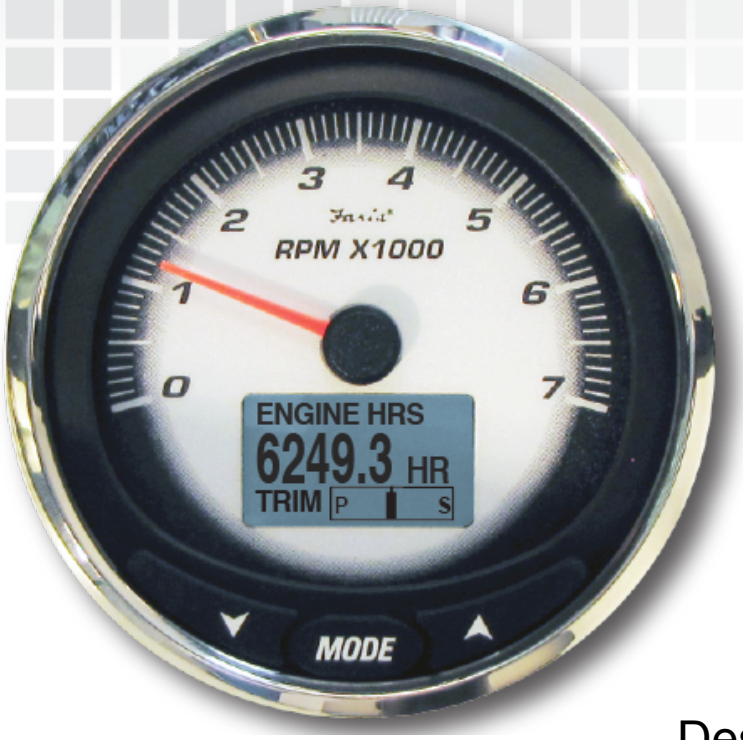


1. More automatic but still requires some user actions.
2. Data can be sent automatically when the MG3000 detects an approved internet hotspot.
3. Requires that the unit is located next to the hotspot for transmission.

An Expandable Architecture

The MG3000

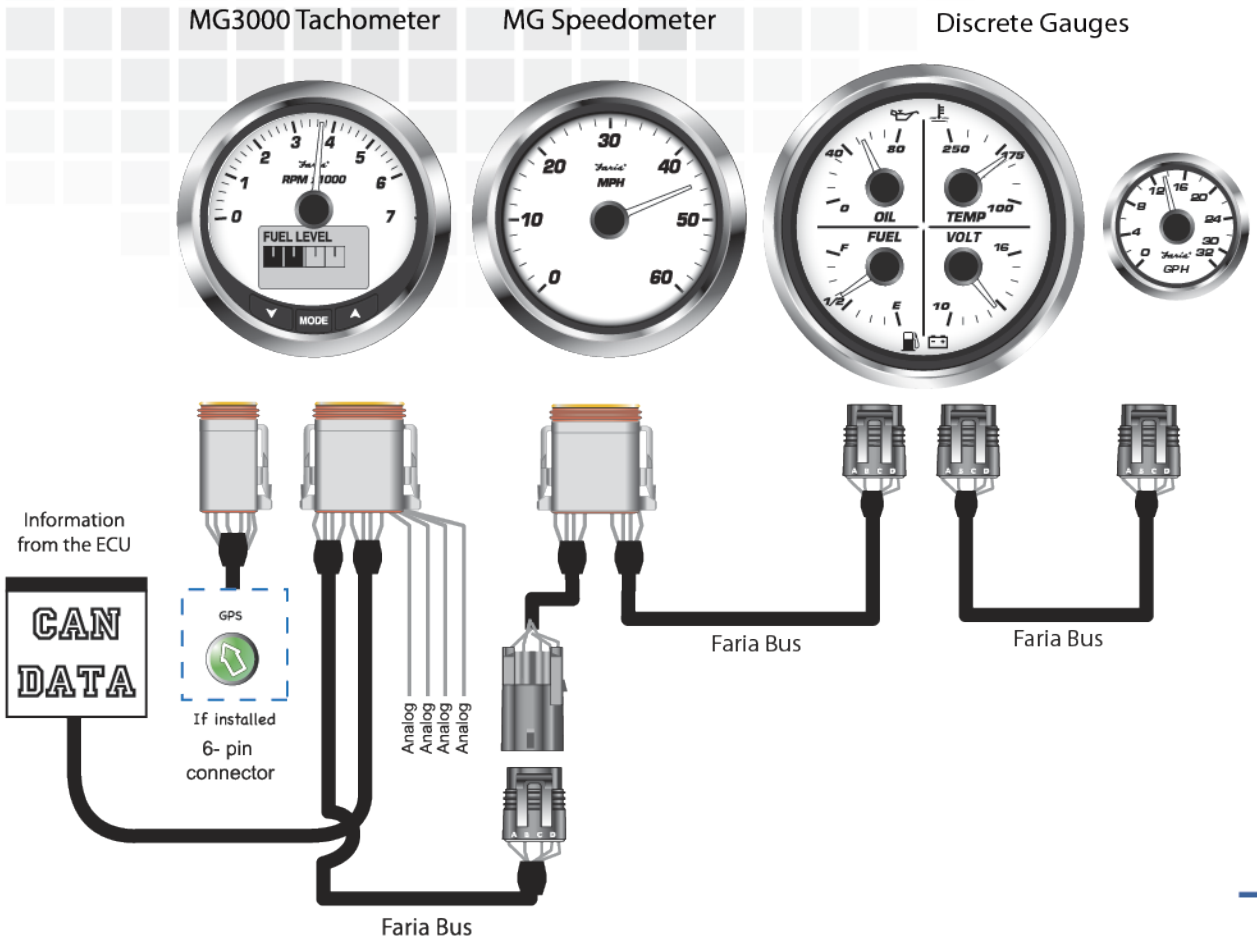
Faria's gateway communicator to the CAN Bus systems. The MG3000 is a user friendly digital engine monitoring solution.



Designed to convert raw engine data coming from the engine ECU and other analog and digital inputs into a signal that can be read by other instruments on the Faria Bus.

The Faria Bus

The Faria Bus is a serial communications protocol that connects Faria gauges to one another in a plug-N-play system.

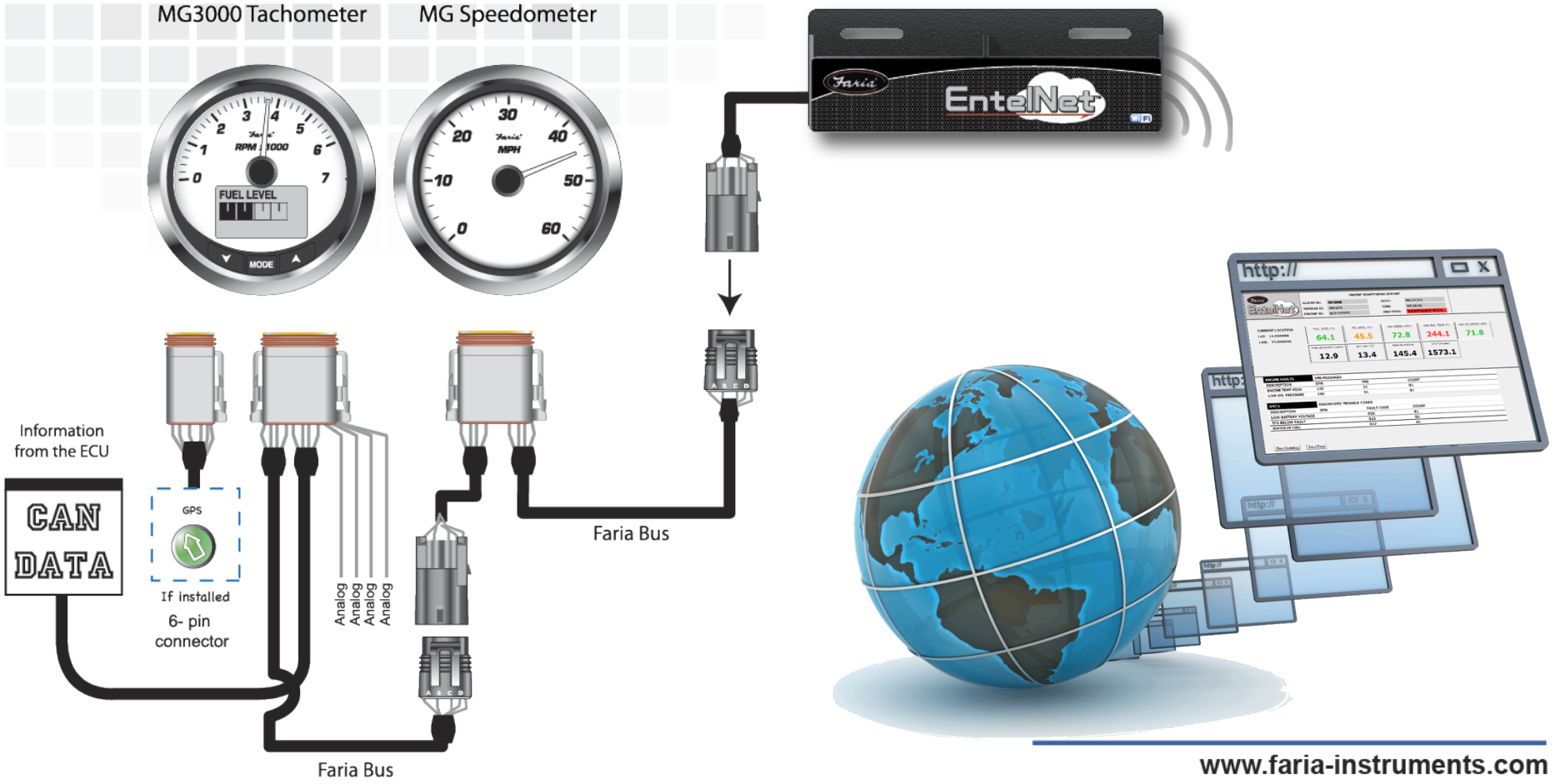


A simple connection from gauge to gauge sends signal and power information down the line. Each gauge receives all the information it needs to display the required information.

Connect multiple devices on one Faria Bus network.

Simply Plug it in!

With the Faria Bus network you don't have to worry about how it will connect. The Wireless module simply connects to the Faria Bus cable. Mount the module and you are done.



Two Way Communications

Control Digital switches!

The EntelNet™ system can, with the MG3000 powered and connected to the internet, receive commands to control devices on the vessel that use digital switches.

- Turn on Security System
- Monitor your Refrigerator
- Turn off lights

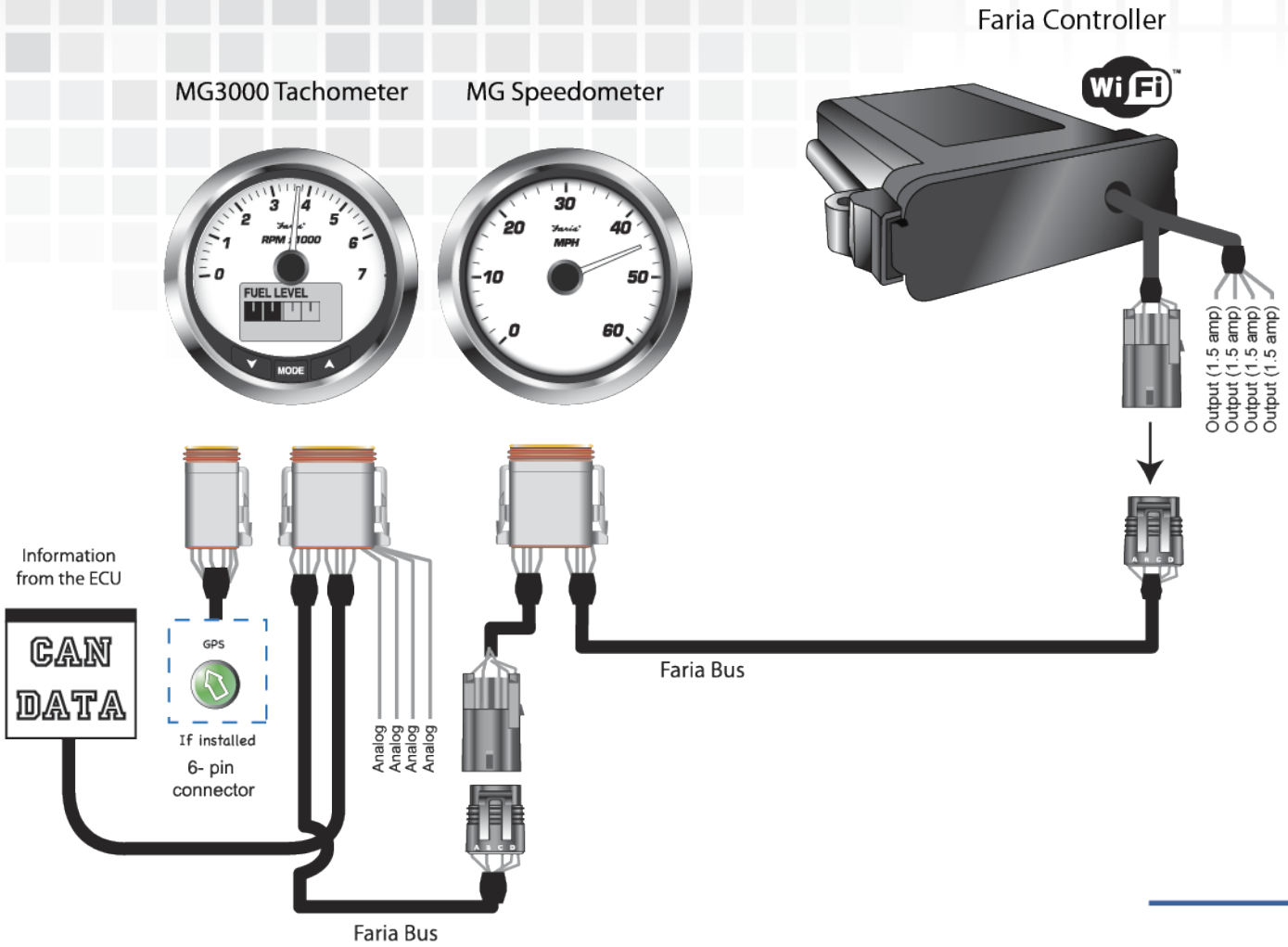
Faria – Digital Controller

This unit, with optional Wi-Fi, connects directly to the Faria Bus and communicates with the MG3000. When required the MG3000 sends an activate signal through the Faria Controller to tell a Digital Relay unit to turn on or off a switch.

1. Requires a continuous Wi-Fi connection from a known local internet hot spot.
2. The unit can control multiple devices.

Simply Plug it in!

The Faria Controller connects to the Faria Bus cable. Mount the module and you are done.



Cloud based engine monitoring and diagnostic reporting system.

Map Data

CLOUD

GPS Speed
CAN Error Codes
Map Position
Remote Instrumentation

Smart Devices

Asset and Engine information

ID
GPS Position
GPS Speed
CAN error codes

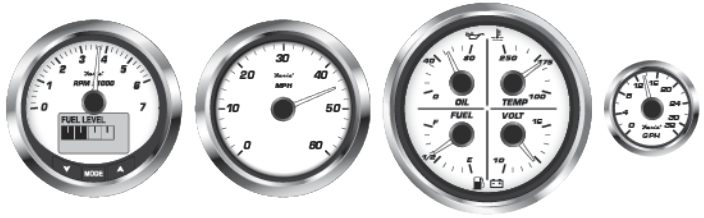
A complete solution for remote instrument viewing!

Wireless Interface

MG3000 Tachometer

MG Speedometer

Discrete Gauges



Faria Controller

Output (1.5 amp)
Output (1.5 amp)
Output (1.5 amp)
Output (1.5 amp)

Information from the ECU

CAN DATA

GPS

If installed

6- pin connector

Analog
Analog
Analog
Analog

Faria Bus

Faria Bus

Faria Bus

Faria Bus

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