

PLC MULTIVOLTAGE GATEWAY

BLUETOOTH EOBR MODULE CMS SERIES

What is Power Line Carrier Technology?

Power Line Carrier Technology or PLC for short, transmits digital data onto the vehicle's power line and allows tractor to trailer communications without adding any new wires.

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The CMS Series of PLC4TRUCKS Gateway Modules are Hegemon's latest addition to its PLC Gateway family of products. These modules provides a Bi-Directional link for vehicle and trailer data through a bluetooth connection.

The Bluetooth link will transmit data to a Smart-Phone, Tablet, or other handheld device to comply with the requirement for 395.0 for HOS/CSA reporting. These modules have J1708, J1939, and trailer interfaces, built in UTC time stamp, and optional on-board GPS receivers. They can also collect and store data (either tractor or trailer) in non-volatile memory for later download to the Host when connected.

As with other Hegemon PLC Gateway products, the CMS Series can directly read and program the PLC Identifier/Tag and thus allowing wireless devices to read or re-program Tractor and/or Trailer IDs and establish hook and unhook event times.

CMS GATEWAY SPECIFICATIONS

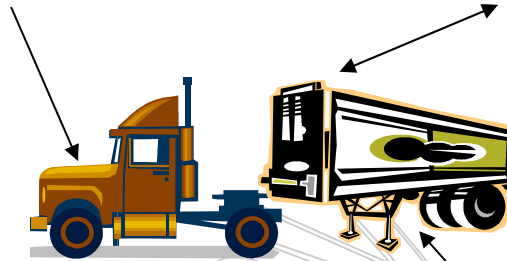
Features of PLC EOBR Gateway Bluetooth

- √ Bidirectional Communication on the Bluetooth to a Smart phone or other device
- √ Bidirectional Communication on the PLC Bus
- √ Internal and External GPS Options
- √ 10 to 32 VDC Operating Voltage
- √ J1939 or J1708 or RS232 or TTL vehicle interface
- √ Automatic Ignition on Detection
- √ One Digital Input and One digital Output
- √ USB and Bluetooth
- √ OTA firmware updates
- √ Automatic Vehicle Data Logging when not Connected to Host Option

Typical Application of the PLC EOBR Gateway Module

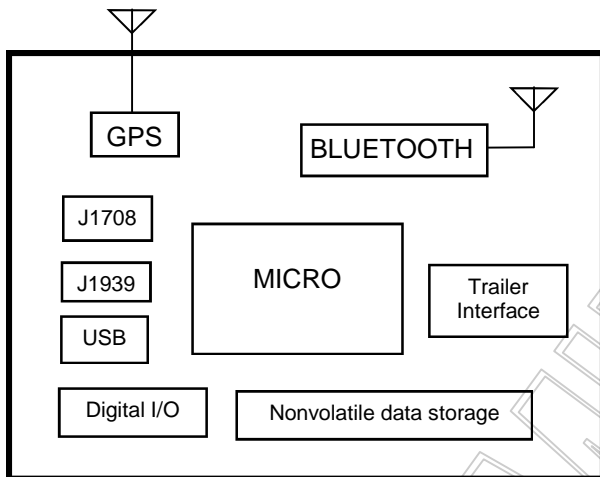
EOBR PLC GATEWAY

PLC GATEWAY



PLC IDENTIFIER TAG

CMS Series EOBR BLOCK DIAGRAM



Applications:

- Positive trailer and/or tractor identification
- ABS Warning Information
- Trailer ID from trailer ABS
- Tire Pressure Information
- Bluetooth Link
- CSA/HOS Data Reporting
- Trailer Door Status
- Theft Indicator/Trigger
- Data logging functions

About Hegemon Electronics Inc.

Since 1994, Hegemon Electronics has offered complete design services for the OEMs. We offer complete turnkey design services from conception through production. We specialize in the heavy-duty vehicle market but are versatile enough to take on other projects such as test equipment and other areas. Here are some services offered by Hegemon Electronics:

- Analog and Digital System Design
- Embedded Electronic System Designs
- Software Development in C/ C++ and Visual Basic
- PCB Layout
- Test Equipment Design
- EMC Compatibility Solutions
- Complete System Designs
- Product Manufacturing

Connector Pinouts

MOLEX:

Pin 1 = J1708 A/CAN-H Pin 5 = Digital Output
 Pin 2 = J1708 B/CAN-L Pin 6 = IGN/PLC Input
 Pin 3 = CAN Shield Pin 7 = Power Input
 Pin 4 = Digital Input Pin 8 = Ground

DB9M: External GPS connector

USB: Standard USB Type B Receptacle

PART NUMBERS

Contact factory for details

CSM-3260: PLC EOBR with Smartphone interface, external GPS
 CSM-3407: PLC EOBR with Smartphone interface, internal GPS
 CSM-3408: PLC EOBR with Windows Mobile interface, external GPS
 CSM-3409: PLC EOBR with Windows Mobile interface, internal GPS