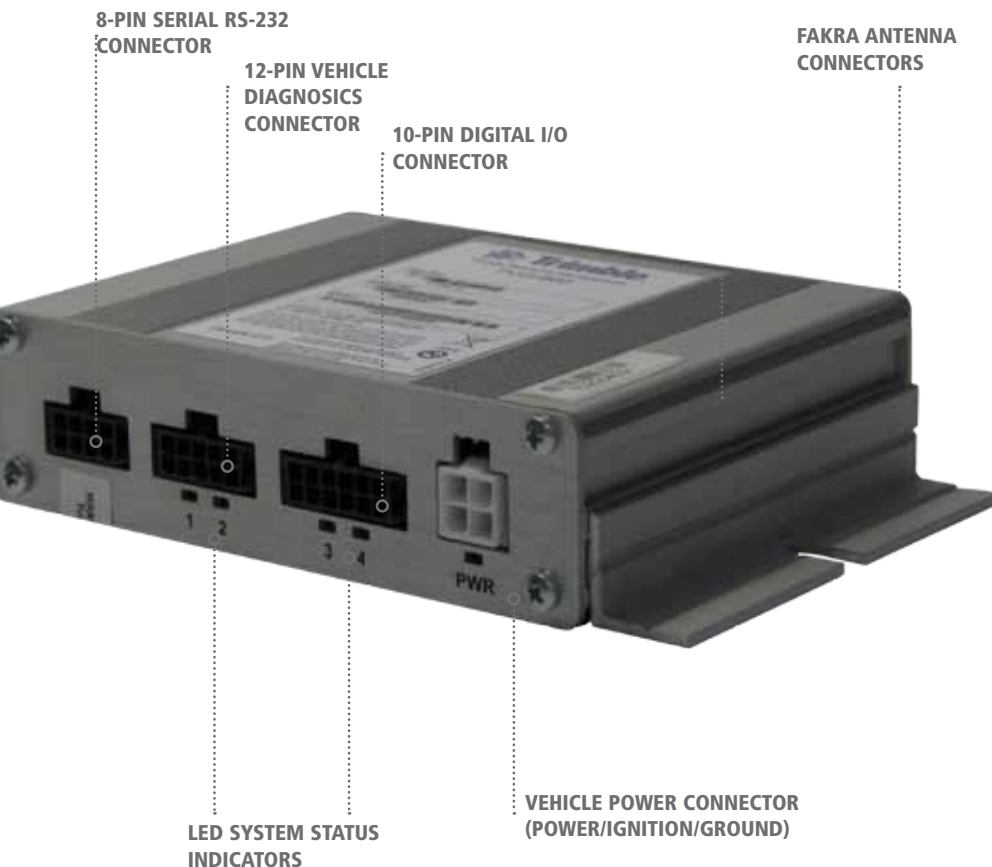


## IN-VEHICLE LOCATION TRACKING COMBINED WITH VEHICLE DIAGNOSTICS

The Trimble Vehicle Gateway 660 (TVG 660) in-vehicle hardware combines GPS and vehicle diagnostics with wireless technology to provide real time location and diagnostic information for companies running fleets of any size and many types of vehicles.

### SOLUTIONS THAT USE THIS HARDWARE

- Trimble GeoManager Fleet Management
- Trimble GeoManager Driver Safety
- Trimble GeoManager Work Management
- Trimble GeoManager Driver Logs



### FEATURES

- 12-channel GPS receiver
- Compatible with established vehicle diagnostic protocols
- Small form factor
- Network certified on multiple carriers
- Dedicated vehicle diagnostics processor
- Dedicated vehicle diagnostics port
- RS-232 port
- Digital I/O supports Sensor Services
- Over-the-air programmable

**PHYSICAL**

Dimensions . . . . . 94mm x 108mm x 30mm  
 Weight . . . . . 0.22 kg  
 Material . . . . . Aluminum  
 Electrical Supply Voltage . . . . . 8 to 32 V DC  
 Vehicular Transient Tolerance . . . . . Vehicle power-line transient immunity per ISO7637-2  
 Power Consumption . . . . . Typical Supply Current 12V Active: 100mA  
 . . . . . Supply Current 12V Hibernate: 11mA  
 . . . . . Typical Supply Current 24V Active: 65mA  
 . . . . . Supply Current 24V Hibernate: 8mA  
 Ignition Sense Input . . . . . 0 to 32 V DC

**ENVIRONMENT**

Operating Temperature: . . . . . -30°C to +80°C (CDMA & EDGE versions)  
 . . . . . -30°C to +70°C (HSPA version)  
 Storage Temperature: . . . . . -40°C to +85°C (CDMA & EDGE versions)  
 . . . . . -30°C to +75°C (HSPA version)  
 Humidity . . . . . 5-95% non-condensing

**RECEIVERS**

GPS Receiver L1 (1575.42 MHz), C/A code, 12-channel, continuous tracking receiver

**WIRELESS COMMUNICATIONS**

1xRTT (CDMA version)  
 EDGE/GPRS/GSM (EDGE version)  
 HSPA/EDGE/GPRS/GSM (HSPA version)

**PERIPHERAL & I/O OPTIONS**

Serial Interface . . . . . One RS-232 serial port  
 Digital Input . . . . . Two digital inputs

**VEHICLE DIAGNOSTICS**

J1850 PWM  
 J1850 VPW  
 ISO9141-2  
 ISO14230-4/KWP2000  
 ISO15765-4 (OBDII CAN)  
 J1708  
 J1939

**ENVIRONMENTAL COMPLIANCE**

RoHS  
 WEEE

**COMPLIANCE/CERTIFICATIONS**

**CDMA VERSION**  
 FCC Part 15 Class B  
 Industry Canada / RSS-310

**EDGE VERSION**  
 FCC Part 15 Class B  
 Industry Canada / RSS-310  
 PTCRB  
 CE  
 e-Mark

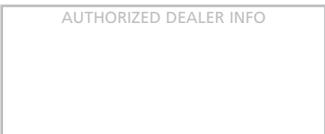
**HSPA VERSION**  
 C-Tick

**NETWORK OPERABILITY**

Sprint  
 Verizon  
 AT&T  
 Vodafone

*Specifications subject to change without notice.*

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