whereQube OBD LTE CAT-M 87 Series

LTE Cat.M1 & Cat.NB1 & EGPRS Fallback Vehicle Tracking

Wireless Engine Diagnostics in a small footprint.

The **whereQube OBD** is a ground breaking evolution in telematics applications. It delivers the capability to monitor and act upon engine diagnostics information in real time in addition to a robust set of vehicle tracking features.

Using industry standard CAN bus protocols, the **whereQube OBD** can be quickly and safely installed on a variety of vehicles.

OBD can connect to any Bluetooth enabled Device.

Key Features

Wireless Engine Diagnostics can be utilized to implement:

- Proactive vehicle maintenance
- Fuel efficiency monitoring
- Driver behavior detection
- OBD, J1939 & J1708 (Or Secondary CAN)
- Buzzer Alarm

The **Geometris whereQube** is an in-vehicle installed telematics unit that is designed to provide a wide range of in-vehicle functions. The **whereQube** supports a variety of reporting intervals and power conservation profiles that are simple to use. Vehicle journey reports based on time, distance, and direction of travel can be easily created from the information reported by the **whereQube.** Additionally, all vehicle starts and stops, loss of GPS, low battery, and input state changes can be reported.

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Presenting the **whereQube OBD** vehicle tracking system. The **whereQube** represents a fresh approach in telematics engineering with a highly integrated, feature packed solution in a small footprint. The **whereQube** employs enhanced HyperGPS™ technology for improved GPS performance and dramatically reduced TTFF (time to first fix).

With an industry leading cost-down architecture, the **whereQube** outclasses competing devices many times its size and cost with a robust feature set including state-of-the-art vehicle locating functions as well as vehicle diagnostics capability.

For more information please contact your **Geometris** representative or visit our website.

Physical Information

L x W x H: 2.55 in x 1.92 in x 1.02 in
Housing: ABS
Weight: 45 grams

GPS/A-GPS Functionality

GPS/GLONASS/BeiDou/Galileo/QZSS
Cold start @open sky
Autonomous 31 s
XTRA enabled 11.54 s

Warm start @open sky
Autonomous 21 s
XTRA enabled 2.52 s

Hot start @open sky
Autonomous 2.7 s
XTRA enabled 1.82 s

Data

Cat M1: Max. 375Kbps (DL), Max. 375Kbps (UL)
Cat NB1: Max. 32Kbps (DL), Max. 70Kbps (UL)
EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL)
GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)

Application Interface

Host Protocols: AT Commands,
UDP/API
TCP/API
Bluetooth Smart

GSM Functionality

GSM SMS: PDU,MO/MT
SMS Cell Broadcast

Electrical

8V to 24V
300mAh Li-Ion polymer

200uA Sleep Mode
2mA Snooze Mode (Network On)
30mA Active Mode (Network + GPS On)

Environment

Operating: -10°C to 60°C
Storage: -40°C to 85°C (Except Battery)
Humidity: 90% non condensing

Band Operation

"LTE FDD: B2/B4/B12
Quad-Band GSM/GPRS/EDGE
850/900/1800/1900MHz"

Special Features

Wireless Firmware Updates
Internal Antennas
Internal Battery
Bluetooth LE
Locking Connector
Accelerometer

SIMCard / Interface / IO

Internal 3V SIM (Form Factor 4FF)
OBD Connector
J1939, CAN, OBD II

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