whereQube AVL™ 68 Series

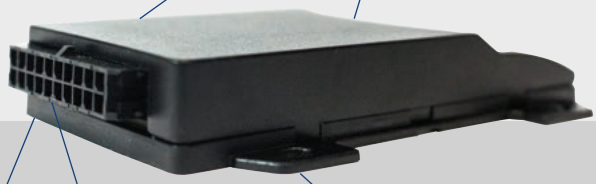
LTE Cat.M1 & Cat.NB1 & EGPRS Fallback Automated Vehicle Location

The whereQube packs a punch in a small footprint.

The **whereQube AVL™** has been designed from the ground up to be optimized for high volume manufacturing while offering best-in-class cellular and GPS performance. It is a great fit for cost sensitive applications which require great value without compromising features or quality.

The **whereQube AVL™ 68 Series** enables quick, cost effective installation, requiring as little as two wires while still detecting the operating state of a vehicle or asset.

Two power outputs are available to drive relays or buzzers. Custom scripts are also available for easy integration with existing systems.



Key Features

- Highly Integrated Subsystems
- Wireless Firmware Updates
- Extensive Configuration Options
- Driver Behavior detection

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.

whereQube AVL™ 68 Series

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

Presenting the **whereQube™** 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: 3 in x 2.5 in x 1 in
Housing: ABS
Weight: 3 oz

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

GSM Functionality

GSM SMS: PDU,MO/MT
SMS Cell Broadcast

Band Operation

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

Environment

Operating: -30°C to 70°C
Storage: -40°C to 85°C
Humidity: 90% non condensing

SIMCard / Interface / IO

- Internal 3V SIM (Form Factor 4FF)
- 20 PIN I/O Header

Special Features

- Wireless Firmware Updates
- Internal Antennas
- Accelerometer

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