

GB100MG SPECIFICATIONS



LTE Cat M1/NB1 waterproof battery-mounted insurance telematics device allowing customer self-fit and lower cost installation

LTE Specifications

Operating Band	Cat M1/Cat NB1: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/ B19/B20/B25/B28
Data Transmission	eMTC (DL) 375 Kbps eMTC (UL) 375 Kbps NB1 (DL) 32 Kbps NB1 (UL) 70 Kbps

GSM Specifications

Frequency	850/900/1800/1900 MHz
Data Transmission	GPRS multi-slot class 33 (33 by default) EDGE multi-slot class 33 (33 by default)

GNSS Specifications

GNSS Type	Qualcomm GNSS receiver
Sensitivity	Cold Start: -146 dBm Reacquisition: -157 dBm Tracking: -157 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TTF (Open Sky)	Cold start: 31s average Warm start: 21s average Hot start: 3s average

Interfaces

Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicator	CEL, GNSS, PWR

General Specifications

Dimensions	134.6 × 67.5 × 14.8mm 5.30" (L) × 2.66" (W) × 0.58" (H)
Weight	130g (4.59oz)
Backup Battery	High temperature NiMH, 200 mAh
Waterproof	IP67 Compliant
Operating Voltage	8V to 32V DC
Operating Temperature	-30°C ~ +70°C -40°C ~ +70°C for storage
BLE	Support BLE 4.2 protocol

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage or a combination of these settings
Geo-fences	Geo-fence alarm and parking alarm, support up to 20 circular and 20 polygon geo-fence regions
Crash Detection	Accident data collection for reconstruction and analysis
Crash Data Packet	Crash data collection from accelerometer up to 15 seconds before and after an incident
Driving Behavior Monitoring	Aggressive driving behavior detection, including harsh braking, acceleration, etc.
Tow Alarm	Alarm for tow event in ignition-off state
Virtual Ignition Detection	Based on voltage and accelerometer



www.queclink.com

sales@queclink.com

+86 21 5108 2965