



GL520MG

LONG-LIFE ENVIRONMENTAL ASSET TRACKER

Reliable visibility for trailers, cargo, containers, equipment, and high-value static assets - even in demanding operating environments.

UP TO 7 YEARS

LTE-M / NB-IoT

LIGHT + TEMP



PRODUCT OVERVIEW

The GL520MG is an easy-to-deploy asset tracker built around advanced power-management technology. Its long service life, rugged waterproof enclosure, internal temperature sensor, and tamper-aware light sensing make it ideal for remote asset visibility and environmental monitoring.

KEY FEATURES

GLOBAL CONNECTIVITY

LTE Cat M1 / NB2 with 2G GSM/GPRS fallback

EXTENDED BATTERY LIFE

Up to 5 years with one GNSS report per day; up to 7 years using Cell ID

ENVIRONMENTAL SENSING

Built-in temperature and light sensors support condition and tamper awareness

RUGGED DEPLOYMENT

Waterproof construction for harsh environments and outdoor applications

SMART MOTION LOGIC

3-axis accelerometer enables wakeup reports and motion-based tracking

FLEXIBLE INSTALLATION

Clip-on mounting design with optional magnetic holder

IDEAL APPLICATIONS

COLD CHAIN LOGISTICS

CARGO AND TRUCKING

WAREHOUSE ASSETS

TRAILERS AND CONTAINERS

HIGH-VALUE EQUIPMENT

STATIC ASSET MONITORING

PHYSICAL & ELECTRICAL

BATTERY

3 x CR123A lithium batteries, 1400 mAh

DIMENSIONS

87 x 51 x 30 mm (3.43 x 2.01 x 1.18 in)

MAGNETIC VERSION

87 x 51 x 33.5 mm; 160 g (5.64 oz)

STANDARD WEIGHT

140 g (4.94 oz)

OPERATING TEMPERATURE

-20 C to +60 C

ANTENNAS

Internal LTE and GNSS

NETWORK & POSITIONING

LTE Cat M1

B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85

LTE Cat NB2

B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85

2G EGPRS

850 / 900 / 1800 / 1900 MHz

GNSS

u-blox all-in-one GNSS receiver | Autonomous position accuracy: <2.5 m CEP

DEVICE INTERFACE



MOUNTING & DIMENSIONS

140g (4.94oz) 160g (5.64oz) (magnetic case mounting version)	87 x 51 x 30mm 3.43"(L) x 2.01"(W) x 1.18"(H) 87 x 51 x 33.5mm 3.43"(L) x 2.01"(W) x 1.32"(H) (magnetic case mounting version)
-20°C ~ +60°C	3 CR123A lithium batteries, 1400 mAh

*Standby Time:

1 Report/ Day (GNSS on)	5 Years
1 Report/ Day (Cell ID Only)	7 Years



Optional Magnet Holder

AIR INTERFACE & TRACKING FUNCTIONS

Command set	@Track protocol commands
Transport	TCP, UDP, and SMS
Working modes	Power-saving long standby; continuous emergency tracking
Scheduled reports	Position and status at preset intervals
Geofences	Up to 20 internal regions
Alerts	Low battery, wakeup, motion, and tamper-aware light sensing
Smart reporting	Intelligent adjustment of reporting frequency