

Azuga long life Asset Tracker Specifications - GL502

1. General Characteristics

1.1 Dimensions and Weight

L= 250 mm, W = 58 mm, H = 61mm), 719g (25.36 oz)

1.2 Temperature Range

-20℃~+60℃ (operating)

1.3 Waterproof

IP68

1.4 Backup Battery

57000 mAh, Lithium thionyl chloride battery

1.5 Buffer Messages

Upto 10,000 buffer messages

2. Wireless

4.1 Position accuracy

Autonomous: <2.5

4.2 Sensitivity

Autonomous: -147 dBm
Hot start: -156 dBm
Reacquisition: -160 dBm
Tracking: -162 dBm

4.3 Carrier Support

Jasper AT & T

4.4 Band Support

Cat M1:
LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85
Cat NB2:
LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85

4.5 COMM

Transmit Protocol: TCP, UDP, SMS

Scheduled Report: Report position and status based on preset time intervals.

4.6 Antenna

BLE Antenna Internal
GNSS Antenna Internal
Cellular Antenna Internal

4.7 Motion detection

Motion detection based on internal 3-axis accelerometer

5. GNSS

5.1 GNSS Type

u-blox All-in-One GNSS receiver

5.2 Antenna

Internal built-in

5.3 Cold Start

27s average

5.4 Warm Start

27s average

5.5 Hot Start

1s average

5.6 Accuracy

Autonomous: < 2.5m

6. Miscellaneous

6.1 Wakeup report

Report when device wakes up

6.2 Frequency

EGPRS 850 / 900 / 1800 / 1900 MHz

6.3 EGPRS Data Transmission

GPRS: (DL) 107Kbps, (UL) 85.6Kbps
EDGE: (DL) 296Kbps, (UL) 236.8Kbps