Azuga Battery Powered Asset Tracker Specifications
TTU-730 Product Series

1. Physical Characteristics

1.1 Dimensions and Weight

Ultra Compact (L = 251mm, W = 60mm, H = 62mm), 658 g (23.2 oz)

1.2 Temperature Range

-30° to +65° C (operating tethered and storage)

1.3 Humidity

85% RH @ 50° C non-condensing

1.4 Shock, Vibration & Heat

SAE Test: SAE J1455 compliant
U.S. Military Standards 202G, 810F SAEJ1455

2. Certifications

2.1 Environment Certifications

FCC, IC, PTCRB, RoHS

3. Electrical Characteristics

3.1 Supply Voltage

3.6V internal battery

3.2 Current Consumption

Typical 30uA @ 3.6V (hibernate)

Typical 50uA @ 3.6V (deep sleep)

Typical 50mA @ 3.6V (active GPS tracking only)

Typical 80mA @ 3.6V (cellular idle only

4. Wireless

4.1 Cellular

North American Variant I

LTE CAT-1: 1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B17) MHz

HSPA/UMTS: 850 (V)/1900 (II) MHz

North American Variant II

LTE CAT-1: AWS 1700 (B4)/700 (B13) MHz

4.2 Sensitivity

Tracking sensitivity - 167 dBm
Acquisition Sensitivity: -157 dBm (hot start) -148 dBm (cold start)

4.3 Carrier Support

Jasper AT & T

4.4 Band Support

North American Variant I
LTE CAT-1: 1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B17) MHz
HSPA/UMTS : 850 (V)/1900 (II) MHz

4.5 COMM

SMS, UDP Packet Data

4.6 Antenna

GPS Antenna Internal
Cellular Antenna Internal

5. Cloud Services

PULS™: Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CTC: Device data stream via RESTful APIs

6. GNSS

6.1 Constellation SupportReceiver

GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)

6.2 Satellite Channels

55

6.3 Antenna

Internal built-in

6.4 Accuracy

~2.0m CEP Open Sky (GPS SBAS 24 hours static)

6.5 A GPS

AGPS Location assistance capable

7. Accelerometer

Built-in, triple-axis (motion sensing, tilt detection)

8. Miscellaneous

8.1 Installation

Easy Installation

8.2 Data Collection Interval

Configurable (1 Hz Max)