

BQ35

Supervision Ankle Bracelet

BQ35 is an advanced parolee tracker designed for reliable and effective monitoring. It offers real-time location tracking and ensures continuous supervision of individuals under parole or house arrest. The BQ35 features tamper alerts, geofencing capabilities, and customizable reporting options, making it suitable for law enforcement and correctional agencies. Its robust design and dependable performance provide enhanced security and peace of mind for supervising authorities.



Features



IP68



Geo-fence



Alerts



Long-last battery



Flexible reporting intervals



Strong Fiber Optic

SPECIFICATIONS

NETWORK

Data Support	TCP, UDP, SMS
LTE CAT-1	EMEA Version: B1/B3/B5/B7/B8/B20 America Version: B1/B2/B3/B4/B5/B7/B8/B28/B66
LTE Power	Class3 (23dBm+/- 2dB)
LTE Data	CAT-1: DL: 10Mbps, UL: 5Mbps
GSM	EMEA: 900/1800 Mhz South America: 850/900/1800/1900MHz
GPRS Power	Class 1
SIM Card	1.8/3.0V

GNSS

Location Technology	GPS Engine GPS/Glonass/Galileo/BeiDou GPS/QZSS L1 C/A, Glonass L10F BeiDou B1, Galileo E1 B/C SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
Concurrent GNSS	3
Update Rate	1 Hz
Channels	66
Tracking sensitivity	-160dBm
Cold Start Open Sky	28S Open Sky
Aided Start	2S
Reacquisition	1S
Assisted GPS	Supported
Antenna	Patch Internal

ELECTRICAL

Operating Voltage	5V DC
Power Consumption	5mA 12V (Power Save) 180mA 12V (Active Tracking)
Backup Battery	LI-PO 2300mAh (Optional) Battery Recharging Range is 0 to +45°C

ON BOARD

CPU	ARM Cortex M4
Flash Memory	32Mbit
3D Accelerometer	On Board

CONNECTORS

USB	Pogopin USB (configuration/debug)
Power Switch	ON/Off Switch
SOS	SOS Button for Emergency/ SMS to the pre-configured number
GPS Antenna	Internal
SIM Card	Internal (4FF) or Embedded eSIM (MFF2) Internal (4FF)

PHYSICAL

Dimensions	70(L) x 50(W) x 20(H)mm
Weight	195g (With Battery)

ENVIRONMENTAL

IP Rating	IP68
Operating Temperature	-40 ~ +85° C (without Backup Battery) -10 ~ +50° C (with Backup Battery)
Humidity	95%RH @ 50° C non-condensing
Shock & Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI	SAE J1113; FCC-Part 15B
RoHS	Compliant

GENERAL

Communication Mode	LTE/GPRS and TCP/UDP/SMS
Location Technology	66 Channels GNSS
Operating Voltage	Internal Battery

KEY FEATURES

- LTE cellular communication
- GNSS, Cell-Tower and Wi-Fi Location tracking optional
- Over 48 hours of battery life on a single charge
- Dual Sim card support (Nano and eSim)
- Waterproof and dustproof, with IP68 Compliant
- Rapid charging via Pogopin charger
- Configurable reporting intervals
- Flexible alerting, reporting and analytics
- Geo-fence zone
- Multiple tamper mechanisms
- Easy installation
- lightweight, ergonomic and hypoallergenic
- Encrypted RFID Indoor Geofence
- Real-time and historic locations