



WATCHER®

Smart lock for the protection and tracking of properties

The smart lock was developed to change the current situation - through the use of the i-Watcher® Lock, which incorporates the most advanced technology, it is not only possible to lock the property, but also to inform the owner of the property about break-in attempts. The smart lock provides physical locking of the property and sends real-time alerts, through SMS or data communications, directly to the application or the computer. Alerts include location and reason for the alert, such as break-in, opening, locking, etc.

I-Watcher® Lock is the ultimate solution for protecting, tracking, and controlling properties. Developed for logistics and security purposes, for a variety of uses: containers, gates, warehouses and shops, motorcycles, remote sites such as cellular sites, heavy equipment and trailers.

With smart algorithms and innovative technology, the lock can be operated for a long period of time without the need to recharge or replace the batteries - up to 3 years or a transmission of about 1,200 alerts. In addition, the lock has a unique locking mechanism, designed by one of the leading companies in the field especially for the i-Watcher® Lock.

Advantages:

- Security and monitoring over a long period of time, without charging or replacing batteries
- Real-time alerts to the mobile phone
- Reception of accurate location in each alarm
- Quality locking mechanism
- Suitable for harsh environmental conditions
- Convenient and user friendly

Technologies:

GPS tracking device

GSM cellular communication mechanism

Sensors for lock diagnostic status



High capacity batteries

Unique physical locking mechanism

Resistance to harsh environmental conditions - hardened case

Technical Specifications

GSM

- GSM Quad-Band: 850 / 900 / 1800 / 1900 MHz
- GPRS Class 10
- GSM quad band antenna - 50 Ohm
- Integrated micro SIM Card holder
- 3G-optional
- LTE CAT M1 & NB1-optional

GNSS

- 72-channel U-blox Max-M8
- GPS/QZSS L1 C/A, GLONASS L10 F
- SBAS L1 C/A: WAAS, EGNOS, MSAS
- Tracking: -166 dBm
- GPS-GLONASS internal antenna

Electrical Characteristics

- Deep sleep mode < 40 Micro A

Batteries

- 2 AA 3.6V- 2,200 mAh

Communication Modes

- SMS/GPRS

Notification Modes

- Mobile Application
- SMS
- Ring-optional

Certificates

- CFR 47 FCC Class B
- ETSI EN 301 489-1 V2.1.1 Class B
- ETSI EN 301 489-17 V3.1.1 Class B

Miscellaneous

- Built in 3D G sensor

Enclosure

- PA6+ 45% GF
- IP65 version

Operating Temperature

- (-40°C to +85°C)

Weight

- 823 gr (without batteries)
- 873 gr (with batteries)

Dimensions

- Shackle Size: 50 mm / 100 mm
- Without Shackle and Key:
 - Length: 102 mm
 - Width: 78 mm
 - Height: 52 mm

Alerts

- Burglary Attempt
- Lock Opened/Closed
- Case Opened/Closed
- Daily status alert ("Alive")
- Low Battery



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