



Product Overview

Many prison around the world is facing too many prisoners. The operation cost is one of the big matter as well.

Forth Corporation identified this pressing issue early on and invented "Forth Taglock EM" as a smart solution.

"Forth Taglock EM" is a tracking device made for prisoners that have been pardoned and those with lower ranked crimes. These prisoners no longer have to be present in the main prison. They are allowed to leave while wearing this tracking device.

"Forth Taglock EM" works with GPS, 2G/3G/4G, and RF. The device will be link with home unit by RF frequency. The device has an efficient tracking system that quickly reports to the detention officers when the prisoners are out of bound.

All in all, this is the tracking device that will solve prison issue and a solution for the future.



BATTERY

- Full battery 100% - 60%
- Half battery 59% - 40%
- Low battery 39% - 0%
- Charging battery



LINK

- 2G/3G/4G
- Home Unit
- Home unit



LOCATION

- GPS
- No GPS

Feature

- Charger
 - Auto Power Rating 100-240 V
 - 5V 1.5A
 - Clip connector type
 - Cable length 1.5 m
- Battery
 - Internal 1880mAh
 - Power Bank 10000 mAh
 - More than 24 hours (High capacity battery)
- Water & dirt resistance
 - Immerse in water maximum 5 meters (IP68)
 - Dirt resistance
- The Monitoring center can make alert to prisoner by beeper and vibrator on the device if needed. Prisoner can press the button to acknowledge.
- Tamper proof, tamper resistance and Tamper detect
- Heat resistance up to 0-85 C
- Configurable restricted area for prisoner
- Overall weight 160 g
- Alarm
 - Exit restricted area.
 - Low battery
 - Low signals
 - Tamper detected
 - Control center requested alarm
- Forth data map base and tracking system
- Encryption AES 128 bit connect to server and home unit base

Technical Specifications

- Communications
 - 2G (E-GSM/DCS) 900/1800
 - Operation Frequency Range:
 - UL: GSM900: 880.2MHz~914.8MHz
 - DCS1800: 1710.2MHz~1784.8MHz
 - DL: GSM900: 925.2MHz~959.8MHz
 - DCS1800: 1805.2MHz~1879.8MHz
 - 3G (HSPA/UMTS) 900/2100
 - Operation Frequency Range:
 - UL: FDD Band I: 1922.4MHz~1977.6MHz, FDD Band VIII: 882.4MHz~912.6MHz
 - DL: FDD Band I: 2112.4MHz~2167.6MHz, FDD Band VIII: 927.4MHz~957.6MHz
 - 4G (LTE FDD) 900/1800/2100
 - Operation Band: FDD1, FDD3, FDD8
 - Release Version: R8
 - Operation Frequency:
 - UL: Band 1: 1920-1980MHz, Band 3: 1710-1785MHz, Band 8: 880-915MHz
 - DL: Band 1: 2110-2170MHz, Band 3: 1805-1880MHz, Band 8: 880-915MHz
 - RF-UHF (Home):
 - 433MHz Proprietary protocol with encryption.
 - <10 dBm Transmitter
 - 105dBm Sensitivity
 - (Use with home unit)
- Navigation
 - GNSS:
 - GPS, GLONASS, Galileo, BeiDou
 - Indoor navigation
 - Cell site IDs
- Power
 - Li-ion battery
 - 1880mAh 3.6V
 - Charging time 2 Hrs
- Alarms and acknowledge
 - LEDs:
 - 3G/Home unit signal
 - GNSS signal

Standard Marks

CE IP68

* This telecommunication equipment conforms to the standard or technical requirements of NBTC.