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|---|---|
| **Product Name** | **GAOTek Device Tracker Healthcare** |
| **Product SKU** | **GAOTek-HI-174** |
| **Product URL** | https://gaotek.com/product/gaotek-device-tracker-healthcare/ |

**Contact us: sales@gaotek.com**

# GAOTek Device Tracker Healthcare

## Product Introduction:

This is the ultimate solution for the seamless tracking and monitoring of your valuable assets. With its excellent communication capabilities over 4G / CAT M / NB-IoT / LoRaWan / Sigfox, this versatile tracker comes in three versions to cater to all your tracking needs. The non-rechargeable version ensures long-lasting performance. For those who require frequent tracking updates, the wireless recharged version is perfect for you. Need real-time tracking and additional functionality? Look no further than our external power input version. With three inputs/outputs, you have the flexibility to customize and enhance your tracking experience according to your specific requirements.

## Product Advantages:

- Communication over 4G / Cat M / NB IoT / LoRaWan / Sigfox.

- More than 10 years of working time (with a non-rechargeable battery).

- IP66 waterproof level, fit for outdoor applications.

- Percentage value for battery power indication.

- Inbuilt 3-axis accelerometer for motion and tilt detection.

- Inbuilt GNSS antenna and network antenna, optional external antennas.

- Optional Temperature and Humidity sensor for cold chain usage.

- Optional LUX sensor for light detection or illuminance measurement.

- Backup positions memory for failed reporting.

- FOTA (Firmware-Over-The- Air).

## Technical Specifications:

**Network Bands**

| | | | |
|---|---|---|---|
| **-4:** | LTE FDD: 1, 3, 5, 7, 8, 20, 28 OR 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 66 GSM: 2, 3, 5, 8 | | |
| **-M:** | Cat M1/Cat NB1/Cat NB2: 1, 2, 3, 4, 5, 8, 12, 13, 17, 18, 19, 20, 25, 26, 27, 28, 66 | | |
| **-N:** | Cat NB2: 1, 2, 3, 4, 5, 8, 12, 13, 17, 18, 19, 20, 25, 28, 66, 70, 85 | | |
| **-L:** | LoRaWan: EU868, US915, AU915, AS923, KR920, IN865 | | |
| **-S:** | Sigfox: RCZ1, RCZ2, RCZ3, RCZ4, RCZ5, RCZ6, RCZ7 | | |
| **GNSS** | | | |
| **GNSS System** | GPS, BDS, GLONASS... | GPS , BDS , GLONASS... | GPS , BDS , GLONASS... |
| **Sensitivity** | 160 dBm | 160 dBm | 160 dBm |
| **Position Accuracy** | < 5m | < 5 m | < 5 m |
| **Acquisition (Normal)** | Cold Start: < 28 Sec | Cold Start: < 28 Sec | Cold Start: < 28 Sec |
| | Warm Start: < 26 Sec | Warm Start: < 26 Sec | Warm Start: < 26 Sec |
| | Hot Start: < 1 Sec | Hot Start: < 1 Sec | Hot Start: < 1 Sec |
| **Power** | | | |
| **Battery Capacity** | 3.6V 12000 mAh | 3.7V 5200 mAh | 3.7V 5200 mAh |
| **Charger / Input Power** | None | 5V 500mA QI wireless charger | 11.2-36V / 2A DC |
| **Battery Life** | > 10 Years(1 Report / Day) | > 20 Days(1 Report / 10 Minute) | No limitation on external power |
| | > 6 Years (2 Report / Day) | > 115 Days ( 1 Report / Hour) | > 110 Days ( 1 Report / Hour) |
| **Optional Sensors** | | | |
| **Temperature Sensor** | Range: -45.0 to +85.0 ºC | Range: -45.0 to +85.0 ºC | Range: -45.0 to +85.0 ºC |
| **Humidity sensor** | Range: 0-100% | Range: 0-100% | Range: 0-100% |
| **Light sensor** | Range: 10-3000 Lux | Range: 10 - 3000 Lux | Range: 10 - 3000 Lux |
| **General** | | | |
| **Dimension** | 103*58*35 mm | 103 * 58 * 35 mm | 103* 83 * 35 mm |

| Weight | 180g | 200 g | 215 g | |
|---|---|---|---|---|
| **Operating Temperature** | -40ºC ~ +85ºC | - 40 ºC ~ + 85 ºC | - 40 ºC ~ + 85 º C | |
| **Working Current** | 30mA~100mA @3.6V | 30 mA ~ 100 mA @ 3 . 7V | 10mA ~ 35 mA @ 12 V | |
| **Sleeping Current** | 45µA | 45 µA | 55 µ A | |
| **Communication** | TCP/UDP/MQTT | TCP / UDP / MQTT | TCP/UDP / MQTT | |
| **Log Saving** | 2000 pcs | 2000 pcs | 2000 pcs | |
| **SIM Type** | Nano Sim | Nano Sim | Nano Sim | |
| **Input / Outputs** | None | None | 3 analog/digital inputs or output | |