# Assets Monitoring

Hospital

IoT

Solutions

# Hospital Industry

The health sector cannot be separated from the influence of advances in digital technology. The health industry needs to prepare itself for the health era 4.0. Various challenges and problems, especially in terms of big data, data security, regulation, and human resources should not be an obstacle in realizing a quality digital transformation system. In the end, all hospitals are ready to participate in providing complete health services in this era of disruption 4.0.



Here are 3 benefits that you will get from an IoT Solution

# Assets Monitoring

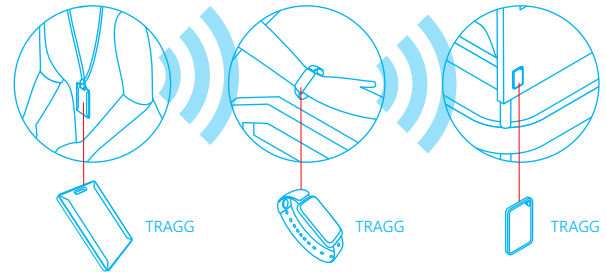24/7 Real-time visibility

More secure with extra precautions

Best infrastructure with low investment

# For indoor facilities,



TRAGG      TRAGG     TRAGG

Identity cards of doctors, nurses, administrative staff and patients who are treated in hospitals, supporting medical devices for the hospital will be installed using the TRAGG device. TRAGG is a device with Bluetooth low energy (BLE) technology which is equipped with a proximity sensor for easy tracking.



TRAGG Shelter     TRAGG Post     App TRAGG
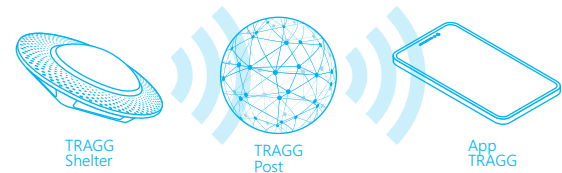
TRAGG will send location data information, distance and other information to TRAGG-Shelter (gateway). The collected data information will be sent to TRAGG-Post (cloud server), via an internet connection. In TRAGG-Post all data received will be processed using the system and then displayed in the App-TRAGG (web-based application) as a dashboard panel that provides real-time data and information.

# Real-time visibility

This is to determine the location of supporting assets and employee mobility in the room

# Tri Sukha Pratama

### Who we are?
An experienced communication technology company with more than 10 years of dedicating its business potential to continue to build and develop better communication technology.

### What we do?
Radio & Transmission Network Planning, Acquisition & Construction, Transmission, Network, Installation Technology & Communication, IT Solution.

### Why choose us?
Trusted to work together by many communication technology companies. Always supported by experienced and competent human resources in their fields.

**ZTE**  **HUAWEI**  **TELKOMSEL**  **smartfren.**  **3**  **indosat**  **XL axiata**  **ibs**

# TRAGG

| Features | Sensor | Accelerometer |
|---|---|---|
| | Dimensions | 85.5x54x4.5 mm |
| | Weight | 18.5g (LF,HF)/15.5g (UHF) |
| Protocol Options | iBeacon | Yes |
| | Eddystone | Yes |
| Radio | Bluetooth | Bluetooth 5 Compatible |
| | Antenna | PCB Antenna |
| | Interval | From 100ms to 500ms |
| | Transmit Power | -40dbm -20dbm -16dbm -12dbm -8dbm -4dbm -0dbm 4dbm |
| | Range | Up to 100 meters |
| Battery | Model | Li-Poly Batteru |
| | Capacity | 800 mAh (LF,HF)/550 mAh (UHF) |
| | Replaceable | No |
| Service | Configuration App | BeaconSET+ iOS Android |
| | Warranty | 1 year |

# TRAGG
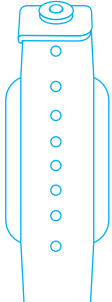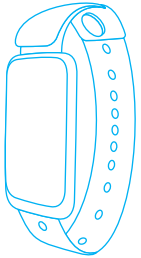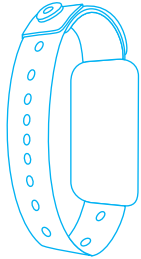
| Features | Wirstband | Disposable Cut-Off Alert Wirstband |
|---|---|---|
| | Dimensions | 250x36x4.2mm |
| | Weight | 8.0g |
| Protocol Options | iBeacon | Yes |
| Radio | Bluetooth | Bluetooth 5 Compatible |
| | Antenna | PCB Antenna |
| | Interval | From 100ms to 10ms |
| | Transmit Power | -20dbm +4dbm |
| | Range | Up to 80 meters |
| Battery | Model | CR 2016*1 |
| | Capacity | 80 mAh |
| | Replaceable | Yes |
| | Operating Temperature | -20℃ to +60℃ (Battery Limit) |
| | Battery Life | 3 Months by default |
| Product Compliance | Certification | CE FCC Bluetooth QDID/EPL |
| Service | Configuration App | BeaconSET+ iOS Android |
| | Warranty | 1 year |
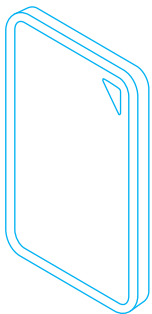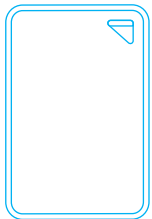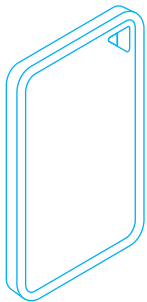
# TRAGG

| Features | Sensor | Accelerometer sensor for option |
|---|---|---|
| | Dimensions | 36.5x23.7x5.0 mm |
| | Weight | 6.2g |
| Protocol Options | iBeacon | Yes |
| | Eddystone | Yes |
| | Sensor Data Advertising | Yes |
| Radio | Bluetooth | Bluetooth 5 Compatible |
| | Antenna | PCB Antenna |
| | Interval | From 100ms to 500ms |
| | Transmit Power | -40dbm -20dbm -16dbm -12dbm -8dbm -4dbm -0dbm 4dbm |
| | Range | Up to 50 meters |
| Battery | Model | CR 2032 |
| | Capacity | 225 mAh |
| | Replaceable | Yes |
| | Operating Temperature | -20°C to +60°C (Battery Limit) |
| | Battery Life | Up to 1 year |
| Product Compliance | Certification | CE FCC Bluetooth QDID/EPL |
| Service | Configuration App | BeaconSET+ iOS Android |
| | Warranty | 1 year |

# TRAGG Shelter
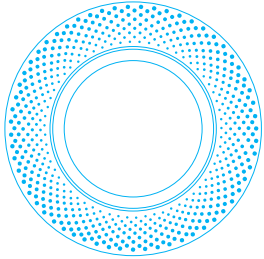
## General

- Connect to the cloud with 3G/4G USB dongle
- Data saved in TF data card or Udisk
- Support AWS/Azure/ARM mBed lot Cloud
- Input with DC 5.0V, 1A, micro-USB
- Firmware upgraded by OTA
- Support HTTP(SSL/TLS)/MQTT(SSL/TLS & Proxy)/TCP
- Operating Temperature -25°C to 65°C
- Batch configuration tool available

## Bluetooth Low Energy (BLE)

- 64 MHZ 32-bit processor
- Built-in amplifier chip to precisely scan BLE
- At least bluetooth 4.0 (Only for BLE)

## WiFi & Ethernet

- CPU 575 MHZ 32-bit application processor
- 300 Mbps PHY data rate, 802.11b/g/n WiFi
- 2 USB 2.0 host connectors and 1 TF Card Slot
- 128 Mbyte 16-bit DDR2 RAM
- 16 Mbyte SPI NOR Flash
- RGB Led Strip as the status indicator
- OpenWrt, Linux distribution for embedded devices
- Support WiFi failover & Multi-higher level AP configuration
- 10/100 ethernet with 802.3af PoE

## General Information

| | |
|---|---|
| Size | 150x150x36 mm |
| Net Weight | 180g |
| Accessory | 1x USB cable, metal fixing and screws |
| Power Supply | DC 5.0 (+/-5%) Max. 5.5 volts |
| Storage Temperature | -40°C to 85°C |
| Humidity | Max 95% Non considering relative humidity |