

#DigitalReady

Assets Monitoring

Cold-Chain

Cold-chain Industry

Cold-Chain business constraints are much influenced by mechanical damage, traffic jams, theft and many other factors. Meanwhile, the key to the success of a cold-chain business is maintaining quality and on time delivery. To make this happen, you need to turn to technology solutions that can improve product distribution more efficiently and transparently. A solution that can monitor, control and track various conditions needed to maintain quality, including temperature, humidity, lighting, and more in realtime.



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



24 Hours to ensure conditions and stability of temperature and humidity levels in the room.

For indoor facilities,



Vending machines, freezzers and / or indoor refrigerators 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 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.

or is in transit.



Pallets, storage boxes and / or ready-to-ship packages stored in the transportation fleet will be installed using TRAGG tools. TRAGG is a device with Bluetooth low energy (BLE) technology which is equipped with a temperature sensor and an air humidity sensor.



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.

Monitoring is safer and more effective

Know the condition and location of products in the process of delivery anytime and from anywhere in real-time.

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.





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TRAGG

Spesification





Battery



Features	Sensor	Accelerometer/Temperature Sensor (Externa Probe)/Humidity
	Dimensions	70.6x38x17.8mm
	Weight	43g
	High Precision	Real-Time data converting, storing and uploading
Protocol Options	iBeacon	Yes
	Eddystone	Yes
	Sensor Data Advertising	Yes
Radio	Bluetooth	Bluetooth Low Energy 5.0
	Antenna	PCB Antenna
	Interval	From 100ms to 500ms
	Transmit Power	-40dbm -20dbm -16dbm -12dbm -8dbm -4dbm -0dbm 4dbm
	Range	100 meters
Battery	Model	2FR03 Li-Fe Battery
	Capacity	1100 mAh
	Replaceable	Yes
	Operating Temperature	-40°C to +70°C
	Battery Life	Up to 3 year
Service	Configuration App	BeaconSET+ iOS Android
	Warranty	1 year





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	
Net Weight	
Accessory	
Power Supply	
Storage	Temperature
Humidit	y

150x150x36 mm	
180g	
1x USB cable, metal fixing and screws	
DC 5.0 (+/-5%) Max. 5.5 volts	
-40°C to 85°C	
Max 95% Non considering relative humidit	

Spesification



