

## SOCIAL DISTANCING AND CONTACT TRACING





## **PRINCIPLE**



8.2 ft (Safe

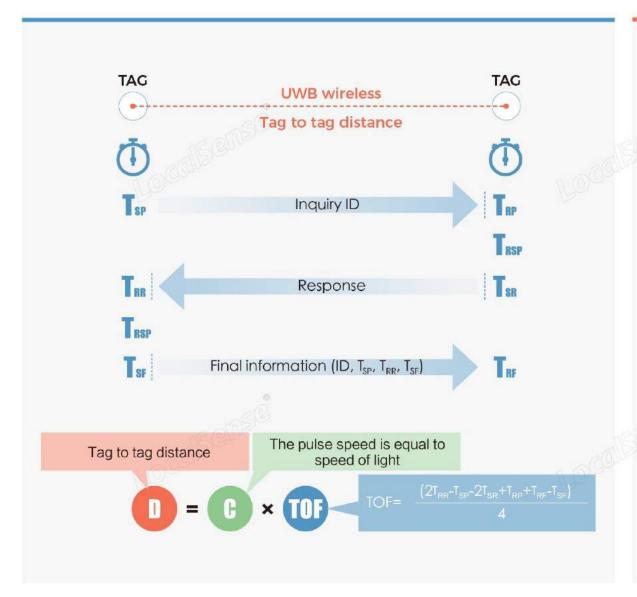
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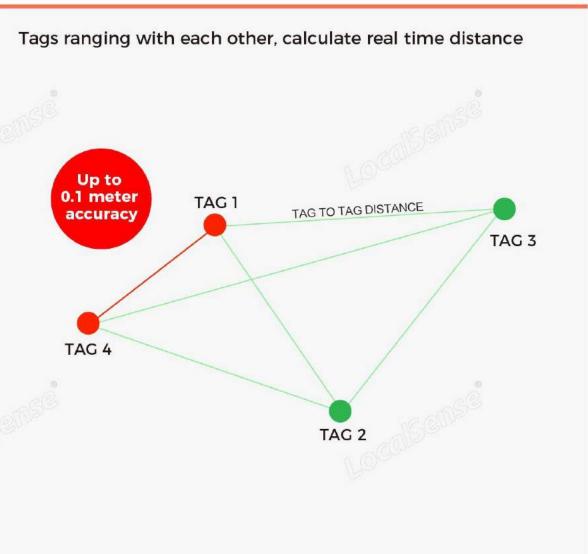
## **PRINCIPLE**





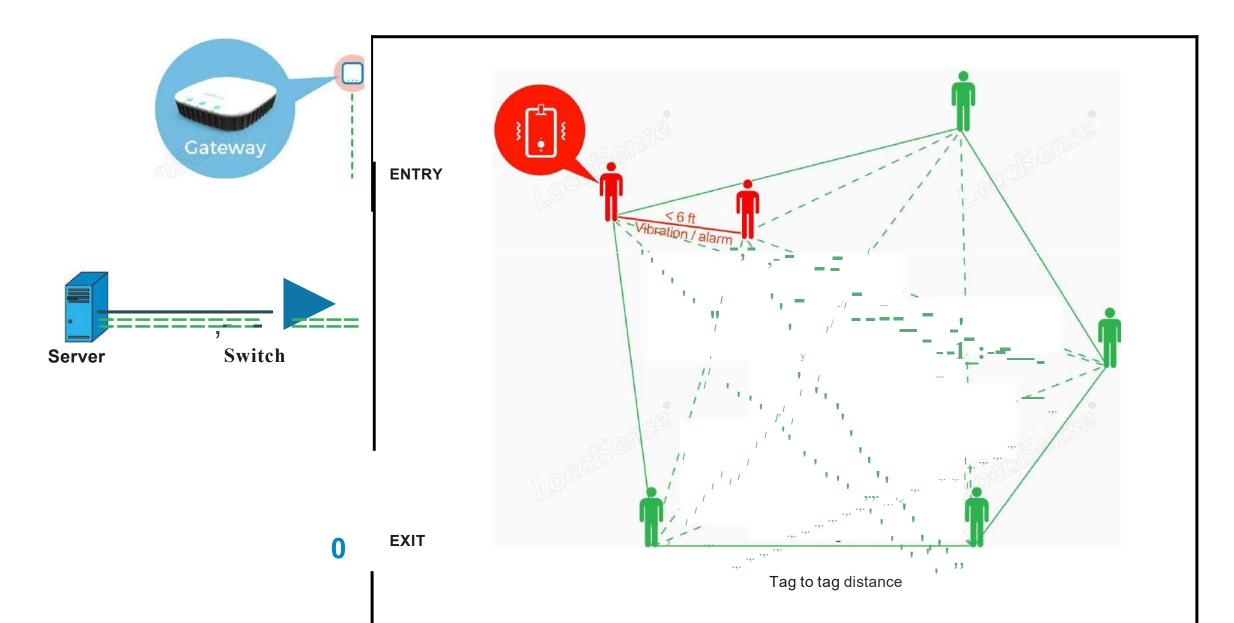
## **PRINCIPLE**







## **SYSTEM OVERVIEW**



## **FEATURES**



#### **HIGH ACCURACY**

Up to 0.1 m ranging accuracy



#### **HIGH CAPACITY**

Total tag volume unlimited more than 40 people in small space supported



#### **LOW POWER**

Battery provide more than 12h power



#### LARGE STORAGE CAPACITY

Storage more than 1000 contact records in tag



#### **MUTIPLE RANGING**

Smart mutiple ranging in real time



#### **SMART DATA COLLECTION**

Gateway can be placed anyway to collect recorded data



## **UWB TAG & UWB GATEWAY**

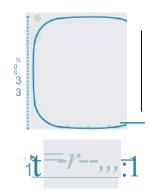


Receive Contact Rocord and Configtags



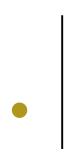
#### U3000-t

Data interface: Standard Ethernet
Power interface: POE/DC24V
Working temperature: -20 - 70t:





Ranging with other tags



#### Tb1000-g

@ Buzzer

@ Vibrator

@ Button

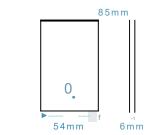
Battery type: Rechargeable LI

Working hours: battery recharge every 12h (usb type c port)

Working temperature: -20 - 70°C Storage temperature: -40 - 85t:

Working humidity: 10 - 90% no condensation

(Muse 10 second/ Battery inspect)





Battery type: Rechargeable LI

Working hours: battery recharge every 12h (magnet port)

Working temperature: -20 - 70t:

Storage temperature: -40 - 85°C

Working humidity: 10 - 90% no condensation

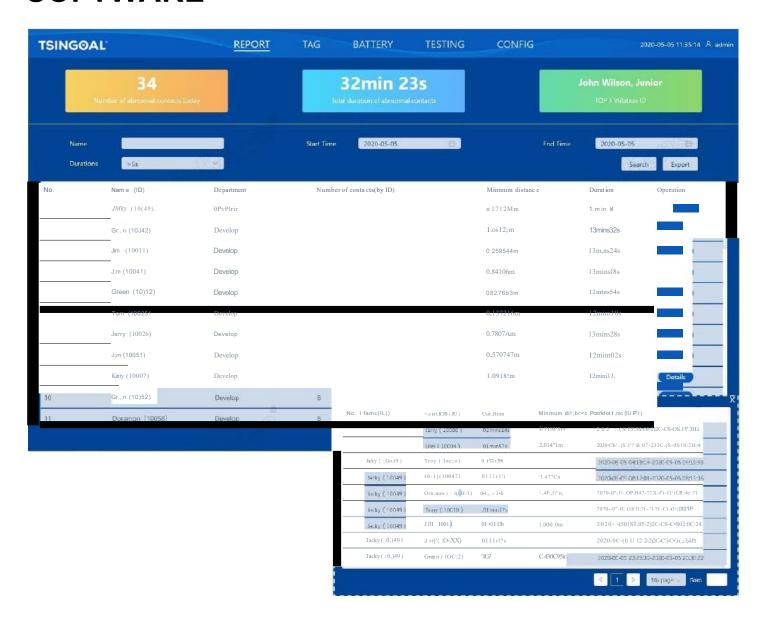
Waterproof rating : IP65

- @ Buzzer
- @ Vibrator
- @ Button (Muse 10 second/ Battery inspect)





## **SOFTWARE**



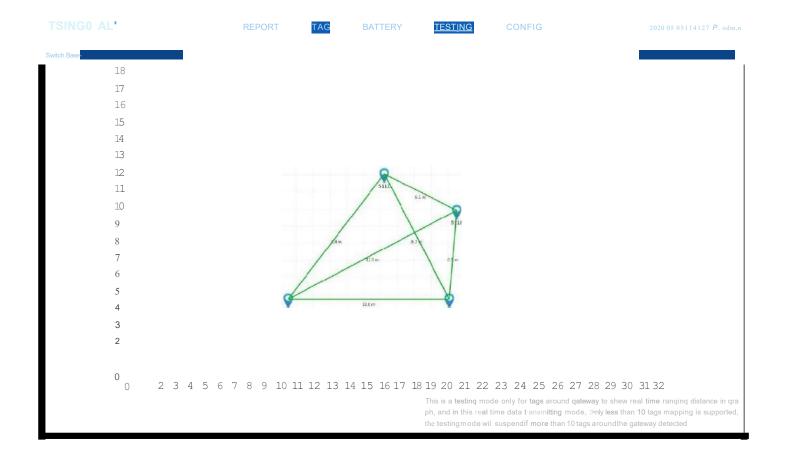
#### **RECORD THE CONTACTS**

Record ID. name and time of including incident within 6ft.

Search incident in mutiple ways.



## **SOFTWARE**



### **REAL TIME RANING (TEST MODE)**

Receive realtime distance between tags and disp lay the UWB gateway should be around tag s. this is for testing mode under working mode only ranging data less than 6ft would be recorded in tags.



Tsingoal is a leading precise ranging / locating solution provider, a spin-off of Tsinghua university. Tsingoal is the first to bring it's 0.1m accuracy locating system with high stablity in China, have already installed more than 1200 systems in over 500 users.

With the experience over 6 years in UWB, Tsingoal rapidly developed the Covid19 social distancing and contact tracing system "LocalSense" on existing hardware for normal locating system, the LocalSense system for Covid19 is now successfuly applied in more than 20 large corporations around the world, helping recovery from shutting down.



# **THANKS**

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