

# S06-TH ZigBee Wireless Air Temperature and Humidity Logger Tag



## Features and Benefits

- High Precision temperature and humidity sensor and logger for 12000 readings
- Compatible with ZigBee home automation solution integrated with sentrolcloud for constant data collection, out-limit alarm and automated environment control
- 100 meters /328 feet wireless transmission range(Free space)
- IP66 grade waterproof & dust tight suited to harsh environment
- Powered by 1 CR2450 coin battery with a battery life of 1 year
- Ultra miniature size suited to be placed in almost any shipping package

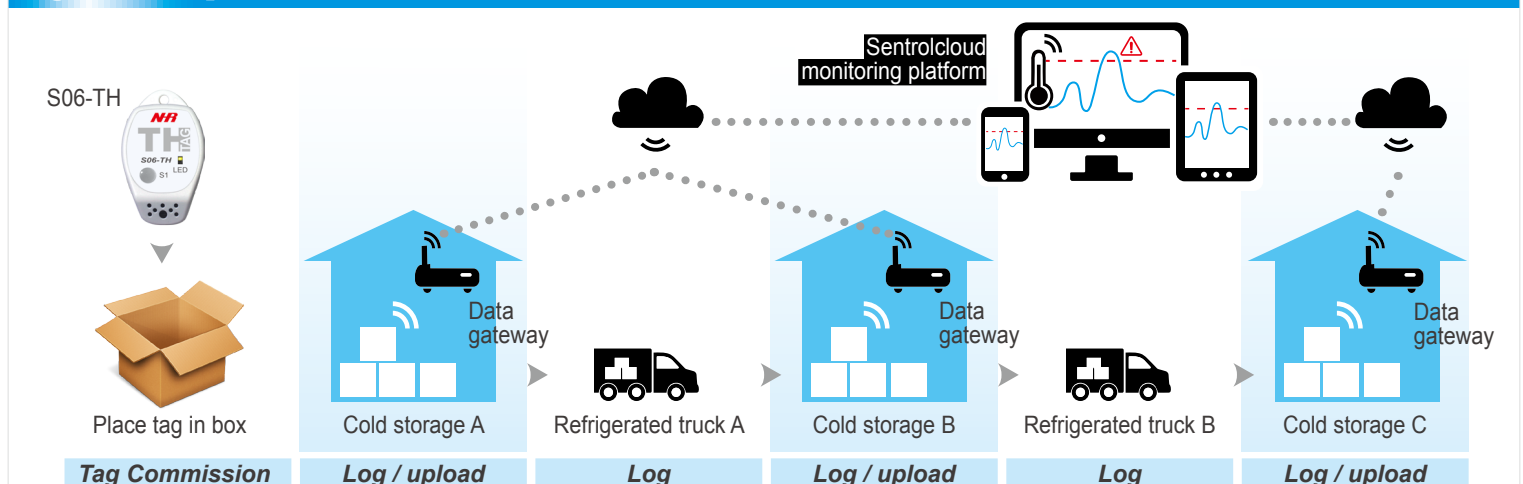
## Product description:

The problem that S06-TH solves is lack of visibility for individual package during logistics. Individual packages vary in size, thus the smaller the tracker is, the more flexible the shipper can apply. S06-TH is coin size, so it almost can be fit in all kinds of packages. Since the working environment for packages can be very humid, therefore, S06-TH has certified IP66 waterproof & dust tight by SGS lab. In the past, our customers used USB data logger to track temperature and humidity readings, but it is very time-consuming when you have hundreds of data loggers to plug and unplug just for downloading data from individual packages, so S06-TH leverages wireless technology to upload data wirelessly automatically. Logistics at sea sometimes takes longer than 3 months from source to destinations, as a result, S06-TH provides battery life over 1 year based on 15 minutes logging interval. In summary, S06-TH is equipped with advantages to provide more precise and instant visibility for individual package effectively in logistics.

## Specifications

Sensing Type	Temperature and humidity	Transmit Interval	Set by TagView (10 seconds ~ 24 hours)
Sensing Range	Temperature: 0°C ~ 55°C/ 32°F ~ 131°F Humidity: 0~99% RH Non-condensing	Network Topology	Star/ Tree/ Mesh
Measurement Accuracy	± 0.5°C/ 4.5%RH	Power Supply	CR2450 type battery X 1
Addressing	IEEE MAC 64 bit	Dimensions	5.5 (H) X 3.2 (W) X 1.5 (H) cm 2.2 (H) X 1.3 (W) X 0.6 (H) inches
Wireless Protocol	IEEE 802.15.4 Zigbee2007/PRO HA Profile	Weight	15.5g / 0.55oz
Transmission Range	100 meters / 328 feet (Free space)	Data Logger Memory	12,000 readings for both temperature & humidity
Operating Frequency	2.4GHz ISM Band	Certifications	CE/ FCC
RF Output Power	0 dBm	Battery Life	1 year based on sending data per 15 minutes
Receiver Sensitivity	-92 dBm	Data Receiving Interface	Sentrol Cloud, TagView, TagCommission
Waterproof Level	IP66 grade waterproof & dust tight protection	Mode Selection	Tag mode(Beacon/Non-beacon) / Sensor mode
Power Consumption	Tx: 30 mA / Sleep: 7 uA		

## ZigBee Complete Solution



## Product Range & Accessories

Solution	Model No.	Description	Solution	Model No.	Description
Wireless Relay	A08-RL	Wireless power meter actuator	Coordinator	WZB-05ET	Data gateway of RJ45 (Supports DHCP)
Router	WZB-01USBR	DC 5V adaptor	Coordinator	G07-W	ZigBee to WiFi / Ethernet data gateway
Router	WZB-02485R	DC 6 ~ 24V by terminal block	Coordinator	G07-M	ZigBee to 3G data gateway
Coordinator	WZB-01USB	Commission gateway of USB dongle	Cloud	Sentrol Cloud	Sensors tracking cloud platform