

## Why Choose Us?

ThingHz is proudly designed and manufactured in India. ThingHz provides real time monitoring and analysis solution. The range of wireless sensors developed by us facilitates 24/7 remote supervision using interactive dashboard. The long range, effective price, accuracy and battery life of wireless sensor makes it an affordable choice for industrial and consumer market applications

## Get In Touch



ThingHz, Phase 2,  
Mohali

[www.thinghz.com](http://www.thinghz.com)

**ThingHz**  
For Remote Supervision



IoT Long Range  
Wireless Sensors



# Wireless Temperature and Humidity Sensor



## Features

- Industrial grade temperature and humidity sensor with temperature range of  $-40\text{ }^{\circ}\text{C}$  [ $-104\text{ }^{\circ}\text{F}$ ] to  $125\text{ }^{\circ}\text{C}$  [ $257\text{ }^{\circ}\text{F}$ ].
- Accuracy of  $\pm 2\%$  RH and  $\pm 0.2\text{ }^{\circ}\text{C}$ .
- 24/7 real time monitoring.
- Interactive dashboard for visualization and analysis.
- Two modes of operation works as a standalone as well part of integrated mesh network using ESPNow.
- 10 Sensor nodes per gateway network.
- Over 1.5 Km[1mile] LoS range.
- Small Form Factor (2.9 x 1.7 inch).
- Light Weight (150 g).
- Charge indicator and signal indicator.
- Up to 6 months of battery life and Realtime battery status.
- User configurable mode selection, alarm conditions, calibration factor, Wi-Fi configurations and Sleep conditions.

## Description

Introducing ThingHz long range wireless temperature and humidity sensor. Incorporating Sensirion SHT31 sensor, transmits highly accurate temperature and humidity samples at user defined intervals. Powered by 2600 mAh rechargeable battery an operational lifetime of 1 year can be expected on single charge depending on data transmission interval. With open communication protocol using ESPNow this sensor can be integrated with just another control system or gateway.

## Applications

- Cold Stores and Refrigeration units.
- Temperature detection racks.
- Industrial Equipment Thermal Management.
- Home Automation and many more.

