



S31B-FE

LTE-M Temperature & Humidity Sensor

Overview

The Dragino S31B-FE is a Temperature and Humidity Sensor designed for Internet of Things (IoT) applications. It accurately measures ambient temperature and relative humidity, and transmits the data to an IoT server via LTE-M and NB-IoT Networks. The sensing element used in the S31B-FE is a fully calibrated, digital temperature and humidity sensor from Sensirion, providing excellent reliability and long-term stability.

S31B-FE has a 2.7" E-Ink display which can provide the reading for the environment status.

S31B-FE use Nordic nrf9151 LTE-M modem, which has much less of power consumption and can work for years with.

The device supports configurable temperature and humidity alarms, allowing users to receive instant notifications when readings exceed predefined thresholds.

With built-in BLE configuration and wireless OTA firmware updates, the S31B-FE is simple to set up and maintain.

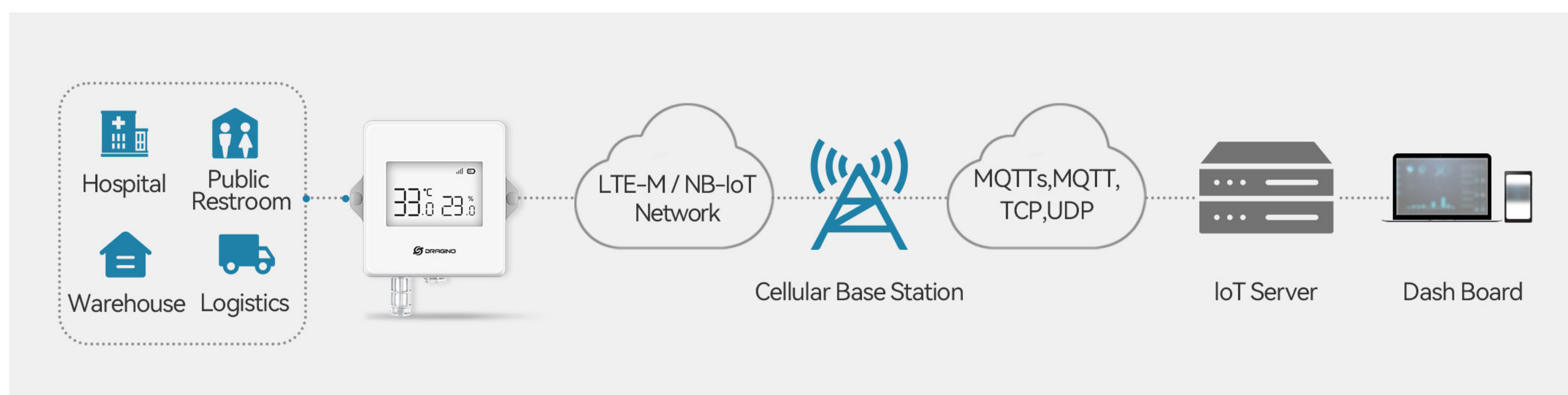
S31B-FE has built-in 8000mAh high-capacity battery which can support for up to 5 years battery life. (depend on uplink interval)



Features

- LTE-M & NB-IoT via nrf9151
- Configurable uplink interval
- Multiply sampling via one uplink
- 2.7" E-Ink Display
- Temperature Sensor Range: 0 - 50°C
- Temperature Sensor Accuracy: +0.2 @ 0-80 °C
- Humidity Sensor Range: 0 ~99.9% RH
- Humidity Sensor Accuracy: < 4% RH (between 20% ~ 95%)
- Temperature & Humidity alarm
- Optional Unique Factory Calibrate service
- 8000mAh Li-SOCI2 none-chargeable battery.

How does this product work?



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