

Your yearly subscription with KITSENSE will provide top-notch hardware, software and technical support services for reliable performance across the board:

- A low-power, secure hub and up to **5 units** of robust and waterproof wireless sensors*
- A sim card USB router with a prepaid 4GLTE data sim card / LAN / WIFI
- Real-time temperature, humidity collections in every single minute for remote and instant data reporting
- Historical data storage in our secure database that last for 6 months for download and review
- Infographics and data reports for temperature, humidity and alerts records
- Active alert via various channels (in-app push notification, sms,, email, telegram) for abnormality
- Free Monitoring Web System and Free App with IOS and Android with up to 5 subscribers
- Monthly alert report
- Technical updates and bugs fix

KITSENSE的年度訂閱將提供實現全面的可靠性能的服務套件，其中包括一流的硬件、軟件和技術支援服務。

- 一個低功耗、安全的中介網關和最多5個堅固的防水無線傳感器*
- 一個帶有預付4GLTE數據SIM卡/LAN/WIFI的sim卡USB中介網關
- 每分鐘的實時溫度、濕度采集，用於遠程和即時數據報告
- 歷史數據存儲在我們的安全數據庫中，可供持續1年的下載和審查
- 溫度、濕度和警報記錄的可視化圖表和數據報告
- 通過各種渠道（應用內推送通知、電子郵件、短信、telegram、whatsapp）主動提醒異常情況
- 免費網上監測系統平台和蘋果及安卓的免費應用程式，最多可支援5個用戶
- 每月警報，最低溫濕度，最高溫濕度，平均溫濕度和可視化報告
- 技術更新和錯誤修復

* Our wireless sensor is highly sensitive temperature and humidity sensor node that maximum fifteen decimal places can be detected for our part of monitoring system. According to the HKQAA report, temperature extreme error is 0.3°C.

* 我們的無線傳感器是高度敏感的溫度和濕度傳感器節點，可以為我們的監測系統部分檢測到最多15個小數位。根據HKQAA安全報告，溫度極端誤差為0.3度。



CLP Smart Energy Award 2020

With our monitoring system, our customers have awarded from "CLP The Smart Energy Award 2020" among more than 400 entries.

- Mammy pancake has awarded "Smart Technology Excellence Award 智能技術傑出大獎"
- Pacific Foodservice Equipment Co., Ltd. have awarded "Smart Technology Partner 智能技術夥伴"

憑借我們的監測系統，我們兩個客戶從400多個參賽項目中脫穎而出，分別獲得了"中電2020年智能技術大獎"及"中電2020年智能技術夥伴"。



Technical Specifications

Nordic Semiconductor nRF52832 System-on-Chip

STMicroelectronics LIS2DH12 accelerometer

Bosch BME 280 temperature + relative air humidity sensor

NFC™-A tag antenna

1000mAh CR2477 replaceable battery

Temperature range: -30°C to +70°C

(max -40°C to +85°C)

Long range 4GLTE antenna

Bluetooth Low Energy strengthened antenna



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Explore how to protect the assets by
REMOTE MONITORING SYSTEM



Real-time 24 / 7 Monitoring



Real-time parameters collections for remote and immediate data reporting anytime, anywhere.

- Temperature and Relative air humidity
- Real-time data is automatically updated in every minute
- 實時參數采集，隨時隨地進行遠程即時數據報告。
- 溫度及相對空氣濕度
- 實時數據在每分鐘內自動更新

Alert Notifications System

Receive the **instant alert** in variety channel:

- App Push Notification (IOS and Android)
- Email
- SMS
- Whatsapp
- Telegram

多渠道接收**即時警告**:

- 手機推送通知 (蘋果及安卓版)
- 電子郵件
- 國際短訊
- Whatsapp
- Telegram



KITSense provides real-time temperature and humidity monitoring system, combing hardware, software and cloud services with time series database, which made both web and mobile active alert of abnormal temperature and humidity for kitchen equipments in 24 hours, especially wine cellar, refrigerator, freezer, walk-in cold room, etc.

Just easily put our non-intrusive sensor to refrigerator or any refrigeration equipment, with using BLE5 as well as strengthened antenna. The upgrade of realtime performance monitoring IOT system is done.

By the cutting edge time series graph visualization technology, KITSense app generates time series analysis for each individual kitchen equipment to customer which illustrates the temperature and humidity changes over time.

Kitsense是一套結合最新硬件、雲端技術和時序數據處理軟件開發的網頁及手機實時監測系統，能為高端餐飲業界以及各行各業24小時監測廚房設備的溫度與濕度，包括雪櫃、冷房、紅酒櫃、冷暖宴會車等等。

溫濕度傳感器直接放入雪櫃或冷藏設備，利用藍芽5.0低功耗技術以及加強天線，無需改動任何需要檢測的設備，企業需要的物聯網設備監測便已完成。

客人除了透過 Kitsense能夠無論在任何時間、任何地點，即時監測實時設備的溫度與濕度之外，同時可用手機APP即時查閱48小時內的紀錄，或使用電腦查閱長達半年的紀錄。一旦設備出現任何異常情況，例如溫度過高，Kitsense 會自動即時發出警報，用戶可以選擇使用SMS、Telegram、電子郵件或者App內通知訊息提示到用戶手機內。用戶可即時採取行動，以減低食材的損失及提高存放食材的環境質素。

Big Data Time series Database With Secure Data Storage



Historical data stored for download and review from clouds storage.

- Private protocol is applied, to prevent any fault with other devices.
- Centralized data with report anytime that last for year(s).
- SSL Encryption with data to protect the privacy.
- 採用私有通道協議，相容所有IoT設備，不會跟現有的設備衝突
- 數據自動保存到雲端長達1年或更多
- 雲端加密數據，保證用戶的私隱

Web Monitoring System



The Best practice to replaced traditional paper based system.

With Centralized database, data without any human mistakes in private cloud can be last for year(s) by SCADA .

取代傳統手抄數據的最佳方法。
使用我們的私有雲及數據采集與監控系統，可隨時覆查及下載長達1年的記錄。