SINTAS

Long-range Industrial Wireless IoT Temperature and Humidity Sensor

The SINTAS Temperature and Humidity Tracker, revolutionizes environmental monitoring with its user-friendly web interface, WPA2-Enterprise and WPA2-Personal Wi-Fi setup and configurable sleep mode for longer battery life. Real-time data monitoring provides customizable alarms and offset adjustments, enabling precise monitoring and proactive response to changing conditions. With on-board storage for uninterrupted data collection and robust security features, SINTAS sets the standard for reliability and convenience in temperature and humidity sensing technology.

Device Features

Wireless module enclosure (box) Operating Temperature Range	-30°C(-22°F) to +70°C(158°F)
Sensor Accuracy	±2% RH ±0.5°C
Sensor Probe Operating Humidity	Up to 100%
Resolution	0.05% RH/0.05°C
Wi-Fi Mode	Station/ SoftAP
Encryption	AES/RSA/ECC/SHA
WiFi Security	802.1x WPA2-Enterprise
Encrypted Wireless Communications Range	Up to 2 Km
Battery	3.7V 1500 mAh Li-Po
Charging Port	USB Type-C
Box Dimensions	75x110x36 mm
Box Type	Wall-Mounted IP54 Class Module Enclosure

Other Features

- Controllable and monitored web interface
- User Configurable Sleep duration. Power Saving Sleep Mode, Up to 2 months lifetime on a single charge (May vary depending on the data frequency to be determined by the user.)
- The device has a configuration button that enables Wi-Fi settings. Accessing the settings page is protected by a Wi-Fi key.
- It has the ability to be configured statically and dynamically in IP value assignment in the configuration interface.
- The data received from the devices can be instantly displayed graphically and as values via a web interface. A map configuration can be loaded into the interface and devices can be positioned on the map. The web interface can be accessed with a username and password.
- Alarm settings can be made via the web interface. When the temperature, humidity and battery values are out of the desired range, mail configuration can be set up.

  Offset adjustments can be made via the web interface.
- The historical temperature and humidity measurement results can be observed and the battery status in the devices can be followed.
- There is an SD card inside the device. When the internet connection is lost, the device continues to hold data at the specified interval. When the internet connection is restored, it sends the data to the server with data time alarms.Thus, there is no data loss problem.
- Protocol: 802.11 b/g/n/e/i. IEEE 802.11 standard security features all supported, including WFA, WPA/WPA2 and WAPI.