ioX-Connect®

ENTERPRISE TEMPERATURE, HUMIDITY & PIR SENSOR
LORAWAN MULTI-FUNCTION SENSOR

BUILT-IN DEVICE SENSORS

- **Temperature Sensor** - Measures temperature with a resolution of 0.01°C and an accuracy of ±0.3°C.

- **Humidity Sensor** - Measures relative humidity from 0~96% RH with a resolution of 0.04 %RH and an accuracy of ±3 %RH.

- **External PIR Sensor** - Detects human presence and activity with a stable detection distance of up to 10 ft.

DEVICE OVERVIEW

The LoRaWAN® Enterprise Sensor is a professional indoor monitor that **measures temperature, humidity, and human activity** via an external PIR probe. It provides ultra-long-range spread spectrum communication and high interference immunity while minimizing current consumption. The device is pre-provisioned for quick and easy onboarding to the ioX-Connect platform.

Powered by a long-life 2400mAh battery, the sensor is designed for multi-year, low-maintenance deployments. It supports remote configuration and OTA firmware updates, making it a reliable choice for various wireless sensor network applications.

Best For: Monitoring indoor environments for comfort, energy efficiency, and space utilization in smart buildings, offices, and security systems.

TECHNICAL FEATURES

- **LoRaWAN Version:** v1.0.3, Class A
- **Detection Type**: Temperature, Relative Humidity & People Activity (PIR)
- **External PIR Probe:** Based on RDB223 PIR Sensor with a 3ft Lead
- **Battery Type:** 2400mAh non-chargeable battery for up to 5 years of use. *Battery life, dependant on use
- **Downlink Configuration:** Remotely configurable via ioX-Connect platform
- **Status Indicator:** Tri-color LED to indicate working status.
- **Firmware Updates:** Wireless OTA (Over-The-Air) firmware upgrade capability
- **Supported Frequency Bands:** CN470, EU433, KR920, US915, EU868, AS923, AU915, IN865, RU864