Creativity is intelligence having fun.

ALBERT EINSTEIN

CoolTeCK BLUESYNC

Seamless Sensing, Boundless Connectivity

African Excellence Awards

SSTM Egypt

Best Digital Solutions Provider 2023 - Egypt

WWW.SSTM-EG.COM



Advanced Monitoring Made Simple

CoolTeCK BLUESYNC

CoolTeck BlueSync Series is a revolution in BLE Long Range Sensor Beacons. These devices embody cutting-edge BLE technology to offer unmatched transmission reach with PHY coded signals, **peaking at 8dBm power**. The heart of BlueSync is the ultra-efficient nRF52833 chip, **ensuring Bluetooth® 5.0 compatibility and extraordinary distances beyond 300 meters.**

CoolTeck BlueSync sensors are not just beacons; they are comprehensive monitoring solutions, equipped with advanced sensors and the ability to connect to external probes. Whether in harsh outdoor conditions or delicate sealed spaces, **BlueSync** delivers unwavering performance and adaptability.

Key Features:

- **Extended Coverage:** Leverage Long Range transmission to effortlessly send data up to 300+ meters.
- **Powerful Core:** Utilizes the robust nRF52833 chip with Bluetooth® 5.0 for wider and reliable reach.
- **Environmental Sensing:** Built-in precision sensors for temperature and humidity, with data logging capabilities.
- **Enhanced Durability:** Boasts an IP66 waterproof rating for diverse application environments.
- **Battery Efficiency:** Operates 4-8 years on a single battery, designed for extreme temperature resilience.

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CoolTeCK BLUESYNC *Mini*

Precision Environmental Monitoring in a **Compact Form**

Embrace the power of high-fidelity data collection with the **CoolTeck BlueSync Mini**, an exemplar of cutting-edge monitoring technology encapsulated within a compact and robust design.

- IP67 Waterproof Rating: Fully sealed against dust and water, ensuring consistent operation even in the most adverse weather conditions or challenging industrial environments.
- Ultra-compact Design: With its minimal footprint (Diameter: 38mm, Height: 12mm), the device is effortlessly installed in confined spaces without obstructing workflows.

CoolTeCK BLUESYNC *Mini*



- **Temperature & Humidity Precision:** Equipped with advanced sensors, the BlueSync Mini delivers accurate readings, crucial for maintaining optimal conditions in sensitive environments.
- **Battery Life Excellence:** A user-replaceable CR2477 battery offers an exceptional operational lifespan of up to **4 years,** minimizing maintenance requirements.
- **CoolTeck Cloud Synchronization:** The BlueSync Mini is engineered to work seamlessly with the CoolTeck Cloud platform, enabling real-time data analysis and storage.
- **Automated Alerts**: Set threshold-based notifications and receive instant alerts on your device when environmental parameters exceed your predefined settings, allowing for swift action to protect your assets.
- **Regulatory Adherence**: Complies with global transmission and safety standards, ensuring the device is ready for deployment in a variety of markets.

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CoolTeCK BLUESYNC *Pro*

Engineered for Accuracy and Endurance



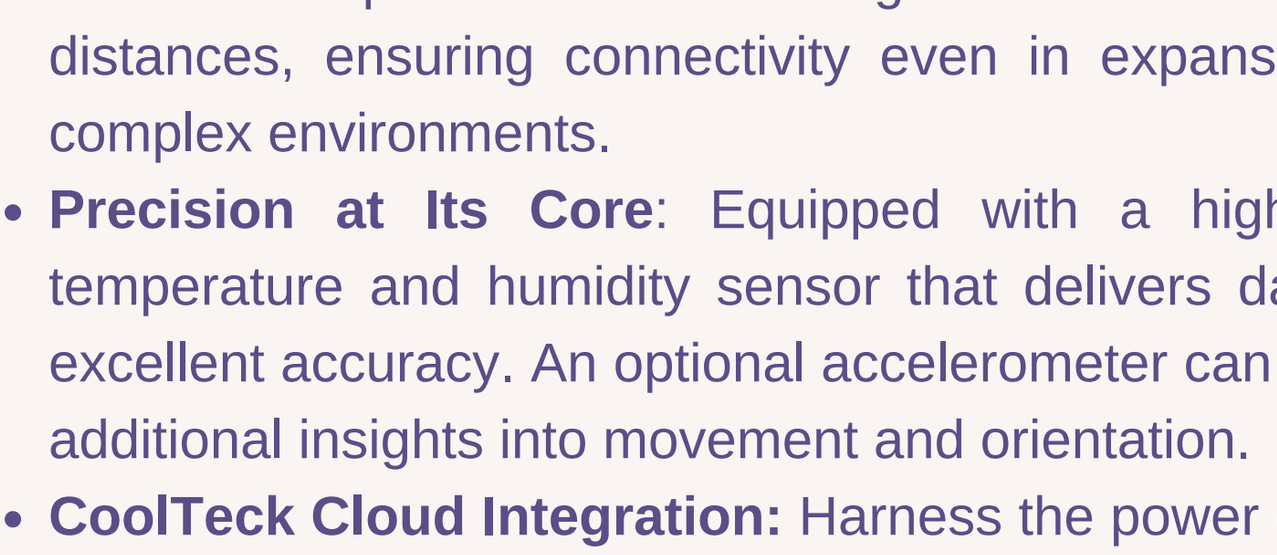
In environments where precision is non-negotiable, and durability is a must, the **CoolTeck BlueSync Pro** stands as a paragon of robust monitoring technology. Crafted for comprehensive tracking with unparalleled precision, this device offers state-of-the-art environmental surveillance for critical applications such as intricate warehouse storage solutions, and sensitive cold chain logistics.

- **Enhanced Structural Integrity**: With dimensions of 94mm x 38mm x 18mm and a solid weight of 42g, the BlueSync Pro is designed to withstand challenging industrial conditions without compromising on performance.
- **Long-Lasting Energy Efficiency**: The ER14505 Lithium battery ensures an exceptional lifespan of up to 8 years, making it a set-and-forget solution for long-term monitoring needs.



Pro CoolTeCK BLUESYNC

- **Exceptional Range and Reliability**: Boasting an IP63 waterproof rating, this device is not just splash-resistant but also capable of transmitting data over extensive distances, ensuring connectivity even in expansive and complex environments.
- **Precision at Its Core**: Equipped with a high-fidelity temperature and humidity sensor that delivers data with excellent accuracy. An optional accelerometer can provide additional insights into movement and orientation.
- **CoolTeck Cloud Integration:** Harness the power of cloud computing with seamless synchronization to the CoolTeck Cloud, enabling data analytics, historical trend analysis, and insightful reporting that can drive efficiency and inform business strategies.



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Device Name	**CoolTeck BlueSync Pro**
Size	94mm x 38mm x 18mm
Weight	42g
Battery	3.6V 2600mAh ER14505 Lithium battery
Battery Life	Up to 8 years (Based on 1s Broadcast Interval and 0dBm TX power)
Waterproof Level	IP63
Chipset	nRF528XX series
TX Power	-40 ~ 8dBm
BLE	BLE5.0 (Supports high throughput, Advertising Ext, PHY Coded)
Wireless Frequency Band	2.4GHz
Transmitting Range	Up to 300m (BLE4.0/BLE5.0, varies with physical environment)
Main Features	Support Protocol (iBeacon, Eddystone URL/UID/TLM, Ksensor), OTA, Button, Temperature-Humidity sensor (±0.3°C, -40°C to +70°C), Optional accelerometer, Non-rechargeable, Programmable parameters (TX Power, Advertisement period, Lock password, iBeacon UUID/Major/Minor, Eddystone compatibility), Non-connection advertisement mode, Configuration advertisement mode
Operating Temperature	-40°C to +70°C
Storage Temperature	10°C to +25°C, ≤65% RH
Default Settings	iBeacon (UUID, MajorID, MinorID), TX Power (0dBm), Broadcast interval (1000ms), Eddystone UID (Namespace ID, InstanceID), Eddystone URL (URL), Eddystone TLM (Battery voltage, Temperature, Ad count/Time since power-up), Default Lock Code (16Byte)











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Device Name	**CoolTeck BlueSync *Mini***
Size	Diameter: 38mm, Height: 12mm
Weight	24g
Battery	Replaceable CR2477 battery
Battery Life	Up to 4 years (Based on default settings) (Based on 1s Broadcast Interval and 0dBm TX power)
Waterproof Level	IP67
Chipset	nRF528XX series
TX Power	-40 ~ 8dBm
BLE	BLE5.0 (Supports high throughput, Advertising Ext, PHY Coded)
Wireless Frequency Band	2.4GHz
Transmitting Range	Up to 300m (BLE4.0/BLE5.0, varies with physical environment)
Main Features	Support Protocol (iBeacon, Eddystone URL/UID/TLM, Ksensor), OTA, Button, Temperature-Humidity sensor (±0.3°C, -40°C to +70°C), Optional accelerometer, Non-rechargeable, Programmable parameters (TX Power, Advertisement period, Lock password, iBeacon UUID/Major/Minor, Eddystone compatibility), Non-connection advertisement mode, Configuration advertisement mode
Operating Temperature	-40°C to +70°C
Storage Temperature	10°C to +25°C, ≤65% RH
Default Settings	iBeacon (UUID, MajorID, MinorID), TX Power (0dBm), Broadcast interval (1000ms), Eddystone UID (Namespace ID, InstanceID), Eddystone URL (URL), Eddystone TLM (Battery voltage, Temperature, Ad count/Time since power-up), Default Lock Code (16Byte)

