



LYNGSOE WIREPAS ANCHOR™

FULFILLS THE REQUIREMENTS FOR BLUETOOTH BASED ASSET TRACKING AND POSITIONING

HASSLEFREE & ROBUST WIRELESS INFRASTRUCTURE

With the Lyngsoe Wirepas¹ Anchor, you get a technology designed for asset tracking, positioning, sensing, alerts via tags with buttons, and Bluetooth BLE-based positioning to support and manage daily logistics processes. The anchor nodes create an intelligent, robust, and self-healing mesh² data network without any need for wired installations.

LISTEN BEFORE TALK

The Bluetooth Wirepas Massive mesh solution communicates in the 2.4Ghz frequency band with efficiently designed interoperability with traditional Bluetooth and WiFi operating in the same band. The Wirepas system works in 40 frequency channels, empowering a fast and reliable data transmission.

The mesh technology using 'Listen before talk' principles is very efficient even in busy radio spectrums with WiFi used for data communication by clients and hospital medical equipment. Furthermore, the anchors and tags are constantly creating the most efficient way through the network. When parts of the network are removed, moved, or temporarily turned off — automatically ensuring a robust collision-free data transmission in a self-healing network.

¹ Wirepas is a hardware and silicon neutral software that in a vendor open echo system forms a resilient large-scale wireless mesh network, avoiding specific hardware vendor login.

² A mesh network (or simply meshnet) is a network topology in which the infrastructure nodes (i.e. anchors and gateways) connect directly, dynamically and non-hierarchically to as many other nodes as possible and cooperate with one another to efficiently route data from/to clients.

TAGS, BUTTONS AND SENSORS

The Wirepas based tags and sensors are available from multiple vendors using multiple Bluetooth chipsets, offering a multi-supplier environment with optimum sourcing flexibility.

Use the network to position tags, capture motion alerts via tags with buttons, and transmit or receive standard Bluetooth BLE beacons for multiple applications like indoor way-finding and information solutions for users of smartphones like patients in a hospital or alike. The potential applications are endless and supported by standard smartphones. Bluetooth BLE beacon messages can be customized or based on industry standards like Eddystone or iBeacon supporting multiple existing mobile phone applications.

EASY TO BUILD-IN

Make the wireless IoT infrastructure an invisible part of the interior design by hiding the anchors above a lowered ceiling. The Lyngsoe Wirepas Anchor comes in a robust enclosure designed for build-in purposes. The system is easy to deploy as it comes with a pre-fitted 230V power cord. With the Wirepas technology, you get a simple and economic infrastructure and unlimited scalability for features and reading points.

BENEFITS

- No need for wired IP connections
- MESH "Listen before talk" secures a reliable data connectivity
- Simple and economic infrastructure
- Easy to deploy



SPECIFICATIONS

LYNGSOE WIREPAS ANCHOR™

Features	Wirepas Massive Anchor Node (Mesh) BLE beaconing (Eddystone, iBeacon or customized) Over-the-air configuration
Operating frequency	2.4 GHz frequency band
Standards	Wirepas Massive (40 channels) Bluetooth® / BLE (3 channels)
Approvals	CE/UKCA
Operating temperature	-20°C to +50°C
Storage temperature	-20°C to +50°C
IP rating	IP20, Indoor
Dimensions	197 x 91 x 46 mm
Weight	277 grams excl. cable
Power	230VAC
Power connector	EU/UK, 3m cable



Lyngsoe Wirepas Anchor



EU male plug



UK male plug



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