IoT
Connectivity Solutions

Evaluation Kit

> *"This is the first Mesh evaluation kit that enables actual users to test and evaluate asset tracking and environment monitoring all in one mesh network (by Wirepas). The first step in composing the perfect solution for our customers together with our eco-system partners"*
> Dennis van Doorn
> Marketing Manager Wireless Solutions

IoT Connectivity Solutions Evaluation Kit

The FCL Components Mesh Evaluation Kit makes it easy to test and evaluate FCL Components Mesh devices in combination with the Wirepas Mesh technology.

Featuring a complete kit with anchor nodes and asset tags for asset tracking and full packed sensor nodes for environmental monitoring. The cloud setup is including the Wirepas Network Tool (WNT), Wirepas Mesh Positioning Engine (WPE), and a web-based sample dashboard application.

The Mesh Evaluation Kit can be installed quickly and easy as it comes equipped with all the necessary settings and cloud setup to ensure it is working right out of the box.

Contents
• 20pcs Anchor nodes (FWM8BLZ07PA)
• 5pcs   Asset tags (FWM8BLZ07PT)
• 5pcs   Sensor tags (FWM8BLZ07Y)
• 1pc   Solidrun Gateway (FWM7GWZ01)

Installation
Tag the assets you want to track through the area. Place the sensor devices in the rooms to monitor temperature, humidity, barometric pressure, movement and luminance as relevant for the evaluation.

Network operation analysis
The diagnostics data from the network is gathered and sent via the gateway to the cloud that collects and analyses the information. Since the information is visualized in the WNT (Wirepas Network Tool) client application, the user can monitor and analyse the Wirepas Mesh network operation.
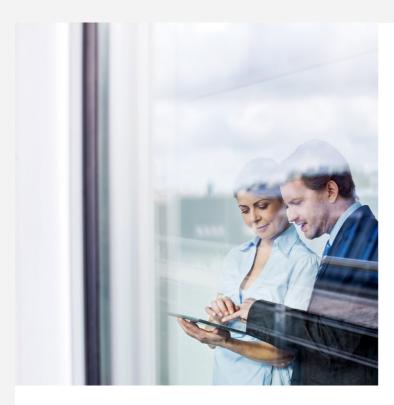
Asset tracking evaluation
The WPE (Wirepas Mesh Positioning Engine), which is a software component running in the cloud, takes data from Wirepas Mesh and outputs location as well as area information for devices in the network. It is possible to use WNT client to visualize each device's location as sample application for asset tracking.

Sensor network evaluation
The Wirepas Mesh-based sensor unit makes it possible to easily install and build a sensor network on the user's site. The user can monitor data from the multiple sensors in each sensor unit by using this web-based sample dashboard application which is running in the cloud.

The kit
The kit contains 20 mesh nodes* configured as anchor nodes and can cover over 100m2 of floor, achieving room level accuracy asset tracking.

5 mesh nodes* are configured as asset tags which can easily be mounted on any asset.

Also included are 5 sensors nodes* for environment monitoring with the following sensors on board:
• Temperature
• Humidity
• Barometric pressure
• Luminance (intensity of the ambient light)
• 3-axis accelerometer
• Sound level

The kit comes with a standard 3 months software evaluation license.

FCL Components works with Symbiotech in Australia and New Zealand, eco-system partner specialised in the back-end software and FCL IoT Wireless Mesh hardware to offer complete IoT solutions.

The devices are being supplied without CR2450 coin cell batteries due to shipment restrictions on Lithium batteries.

Applications

Sensors
Reliable connection with real-time visibility in a highly scalable network. Control and optimize environmental conditions intelligently.

Smart Metering
Connect an unlimited number of metering points together in a highly scalable network.

Asset Management
Track the locations of various assets. Roll cages, boxes and crates in distribution centers, beds and instruments in hospitals and other valuable corporate assets.

Lighting
Intelligent lighting of Smart Cities and Smart Buildings enabled with FCL's IoT Connectivity Solutions.

Contact in Australia / New Zealand

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Wirepas

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