

kuando® Room Occupancy Solution

Plenom introduces the kuando Room Occupancy Solution
Utilizing the kuando BusyLight IoT for LoRaWAN.

Datasheet

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kuando® Room Occupancy Solution

Bookable and Flexible Rooms

Bookable rooms - Microsoft 365

The solution offers a simple and easy way to get a visible status of your Microsoft 365 meeting room.

- If the room is booked - The Busylight is **RED**
- If the room is not booked – The Busylight is **GREEN**

The solution integrates to all your Microsoft 365 meeting rooms - created as resource in Microsoft 365 admin center. It monitors the meeting room booking status and updates the Busylights in real time.

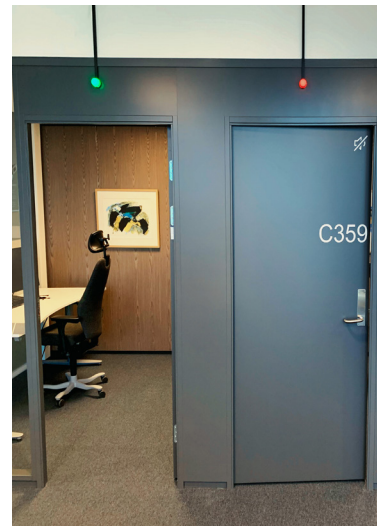


Flexible rooms - Non-bookable

If you have flexible and non-bookable rooms like small meeting rooms, telephone booths, huddle rooms, changing rooms or rest rooms, the kuando Room Occupancy Solution supports this as well.

This is done by adding and installing a motion sensor in the flexible room and the Busylight will show the occupancy status.

- If motion is detected - The Busylight is **RED**
- If no motion is detected – The Busylight is **GREEN**



BUSYLIGHT

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Technical Infrastructure and Ordering Requirements

Technical Infrastructure

The solution locally runs on a LoRaWAN IoT infrastructure, which seamlessly connects to Plenom's cloud IoT application, kuando IoT Portal, where the logic for occupancy is controlled (MS Azure).



The solution uses the secure and unified API, Microsoft Graph, to securely access the Microsoft 365 cloud data.

The Busylights need to be powered with minimum 5V, either from a USB port or a normal power plug. An AC adaptor is included in the box. The motion sensors are powered by battery. In addition to the kuando Busylight and the motion sensor you also have to install/power up a LoRaWAN gateway in the office.

If you already have a LoRaWAN infrastructure this can probably be used, as we provide integration to several LoRaWAN network servers.

Ordering requirements

When ordering you only need to know:

- The number of bookable Microsoft 365 rooms
- The number of non-bookable rooms
- Location overview of the rooms. Are they on multiple floors? What is the approximate distance between the rooms on each floor? This determines the number of Gateways needed. Normally 1 gateway per floor is sufficient depending on the office layout.

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Solution Setup

Setup

The solution is very easy to setup and manage using the kuando IoT Portal for admins. Here you can add devices and see occupancy data.

To setup you need the following:

- User with admin rights to Microsoft 365. More users can be added after the first registration
- Your Microsoft 365 Tenant ID
- Names of Bookable rooms
- Consideration for how to name your Flexible rooms, Busylights and Motion Sensors (this will be done during setup)

Easy to use admin interface & solution setup

