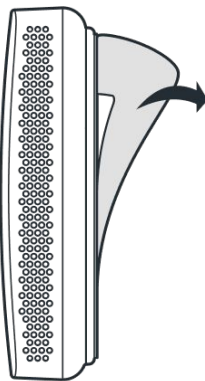


Installation Guide

Wireless CO2 Sensor

What is in the box



Wireless CO2 Sensor with
3M VHB® adhesive backing

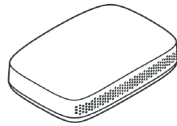
What you will need

- A laptop or smartphone running the DT Studio web application studio.d21s.com.
 - If your company does not have a DT Studio organization, get started at d21s.com/start.
- One or more Cloud Connectors (gateway) to forward sensor data to the DT Cloud.
- If you choose to not use the included adhesive, you will need a M6 wall screw and anchor.

Planning the installation

Number of CO2 Sensors

To accurately monitor the CO2 level on an office floor, we recommend using one CO2 sensor for each room up to 50 sqm (500 sqft).



For larger rooms, like open-area office spaces, it depends on the number of people and the room's layout. LEED recommends that all areas with occupancy greater than or equal to 25 people per 90 sqm (1000 sqft) are monitored by a CO2 sensor.

Number of Cloud Connectors

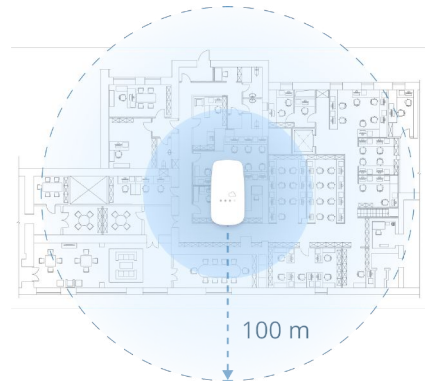
The number of Cloud Connectors needed to cover a typical office space depends on the size of the space as well as the material the walls in the space are made up of.



For example, concrete will reduce the coverage area more than thin drywall.

See the following sections for how to plan Cloud Connectors for different types of installation sites.

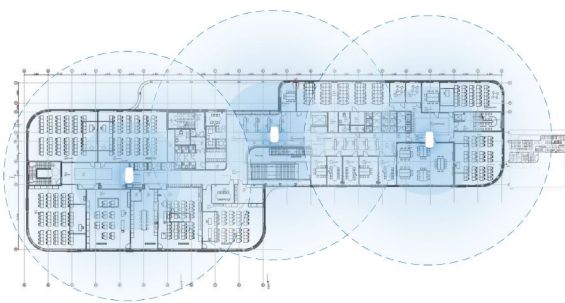
Cloud Connector Small site



One Cloud Connector is often enough to cover a smaller site.

To estimate if a single Cloud Connector can cover your entire installation site, we recommend approximating a circle with a radius of 100 m (328 ft) on the floor plan to mark the expected coverage for the Cloud Connector.

Cloud Connectors Large site

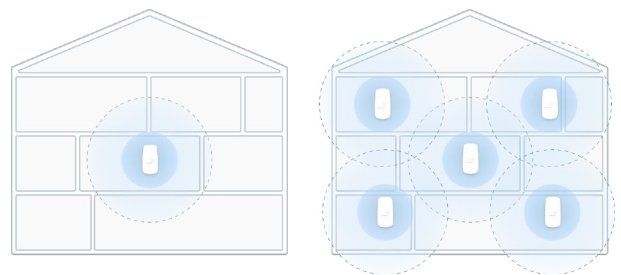


A large site with many sensors requires multiple Cloud Connectors to provide good coverage.

Estimate by approximating a circle with a 100 m (328 ft) radius on the floor plan.

Place subsequent circles with approximately 120 m (393 ft) spacing.

Cloud Connectors Multiple floors



Consider that Cloud Connectors can provide coverage on the floor above and below for multi-floor installations.

The range will depend on the construction of the building, especially the material of the floor separators.

If possible, plan for Cloud Connectors on each floor shifted horizontally to maximize the signal coverage, as seen in the image.

