



Installation Guide

Temperature Monitoring Equipment

Important:

Before starting the installation, make sure all required equipment has been received. Checking for missing components helps avoid delays and ensures a smooth process. Please review the packing list and confirm everything is accounted for before proceeding.

List of Components



RUTX11 Primary Gateway



RUTX10 Secondary Gateway



PUCK Sensor



EYE Sensors



Door Magnets

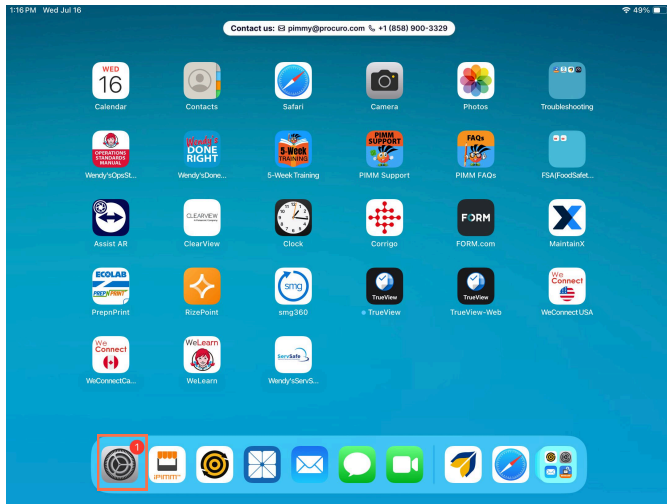
Warranty Disclaimer:

Improper installation of this equipment will void all warranties. To ensure warranty coverage, this equipment must be installed strictly in accordance with the instructions and guidelines described in this document.

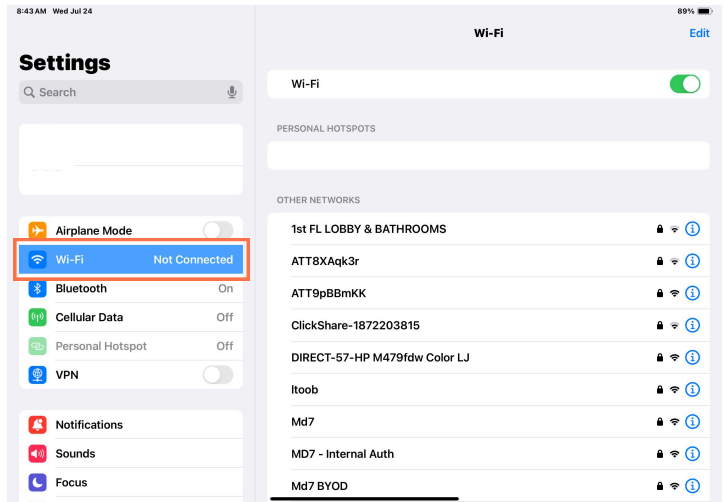
Any damage, malfunction, or performance issues resulting from incorrect installation, unauthorized modifications, or the use of non-approved accessories or components are not covered under the warranty.

Connecting iPad to WiFi network

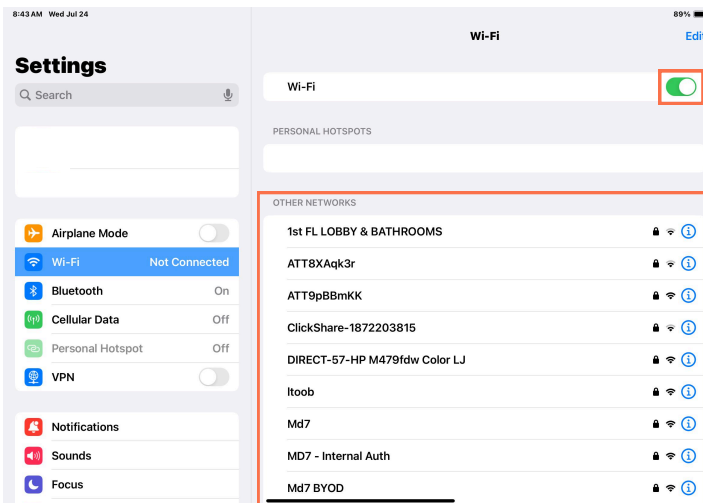
1. From the iPad's home screen, tap **Settings**.



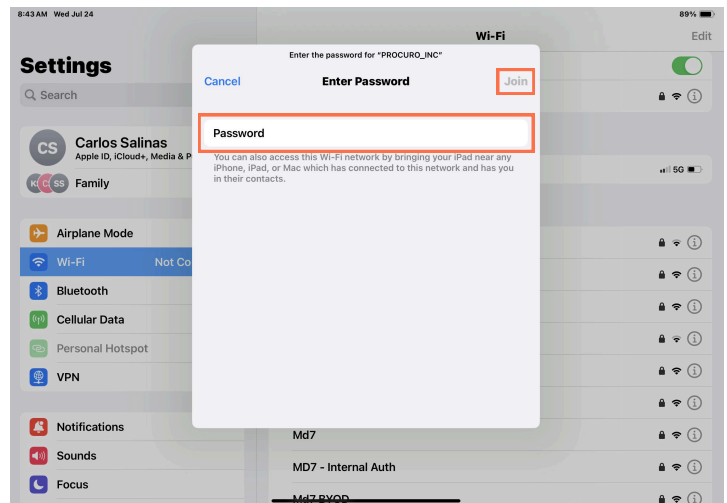
2. Tap **Wi-Fi**.



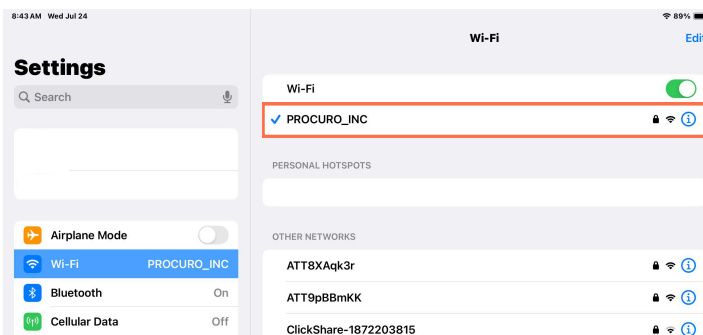
3. Ensure the **Wi-Fi enable button** is turned on (green). In a few seconds, a list of all the networks near you will appear.



4. Tap the network name and enter the network's password in the pop-window. Then tap the **Join** button in the pop-up.



5. If your password is correct, you'll connect to the network and can get online. If not, try entering the password again



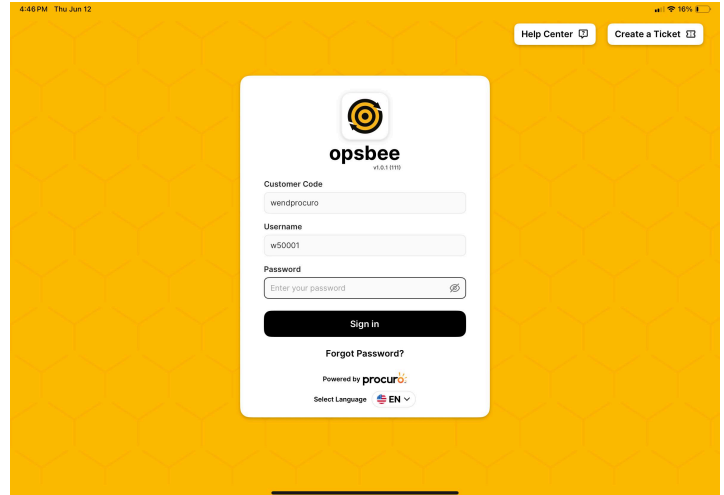
Monitoring the status of your sensors on your iPad

IMPORTANT: Before using the iPIMM SMS App, please ensure your iPad is connected to the WiFi network. See Page 2.

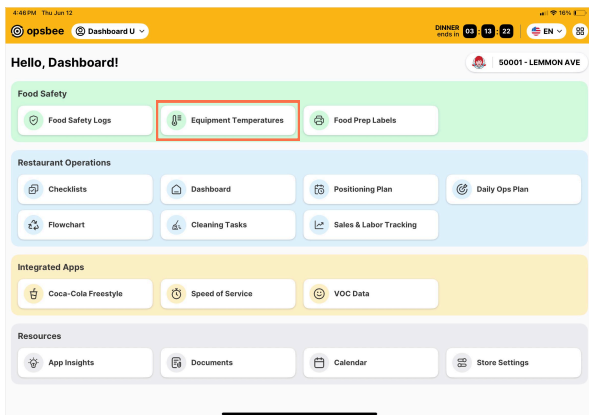
1. From the iPad's home screen, tap **opsbee** to open the app.



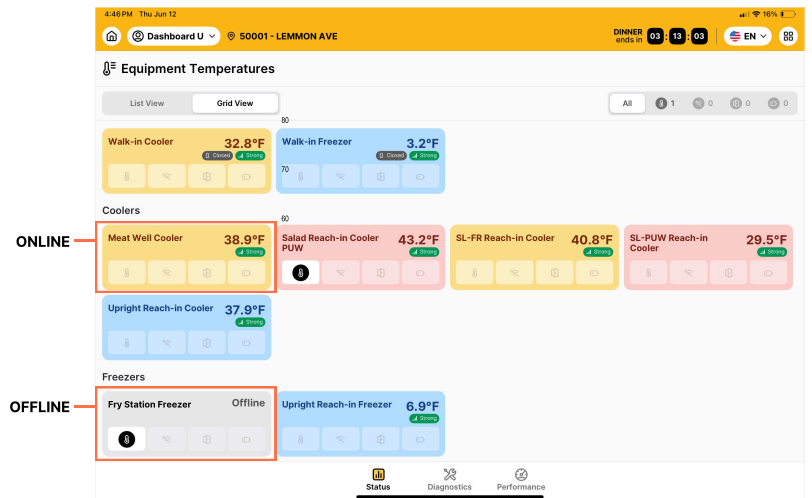
2. Log in using the provided credentials.



3. Select **Equipment Temperatures**.



3. Select the **Equipment** module at the bottom of the screen. On the left pane, each active sensor will display a temperature value. Inactive/out of range sensors will display "OFFLINE" instead.



Note: All sensors are activated before shipping. If a particular sensor fails to communicate (OFFLINE) while in close proximity to a powered Primary or Secondary Gateway, please contact Procuo for support.

Identifying your Equipment

IMPORTANT:

Before installation, it is crucial to identify the correct equipment to avoid unnecessary delays and ensure accurate readings.

Coolers

Bacon Station Cooler



Beverage Station Cooler



Front Counter Cooler



Meat Well Cooler



PUW Station



Salad Station Cooler



Sandwich Station



Upright Cooler



Walk-in Cooler



Identifying your Equipment

Freezers

Bun Freezer



Fry Station



Fry Line Freezer



Upright Freezer

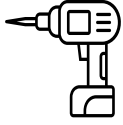


Walk-in Freezer



Primary Gateway Setup & Installation

Required Tools



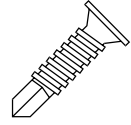
Drill



Zip ties (included in Accessory Bag)



Phillips Screwdriver

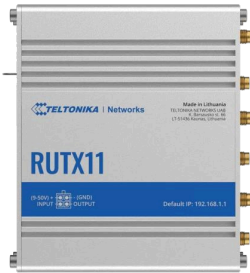


Self-drilling screws (included in Accessory Bag)



Level

List of Included Parts



RUT X11 Primary Gateway



Mounting Brackets



Bluetooth Antenna



2 Mobile and 2 WiFi Antennas



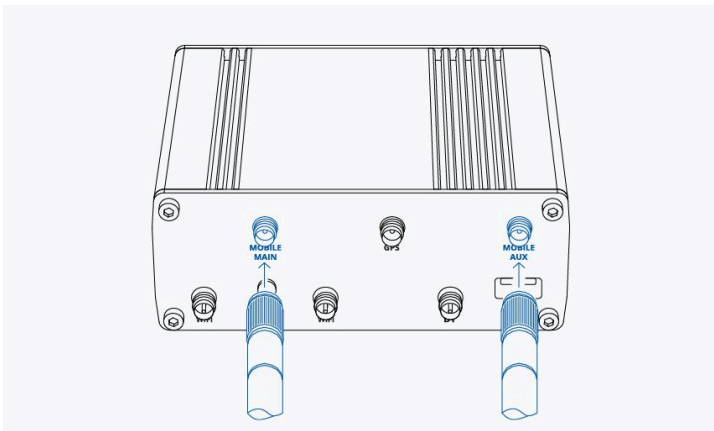
Power Supply



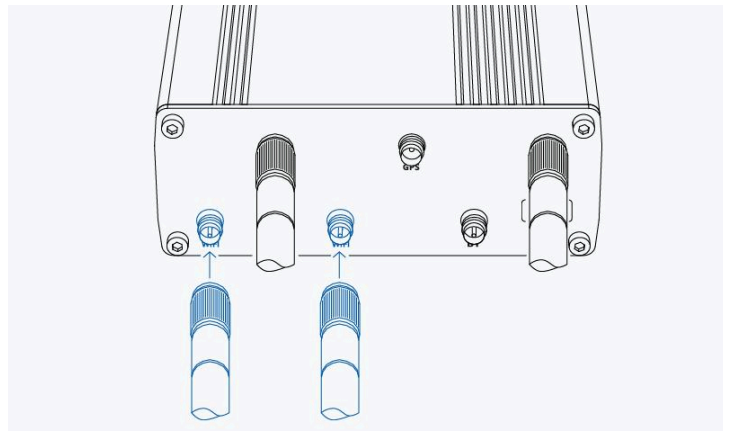
Accessory Bag

Primary Gateway Setup

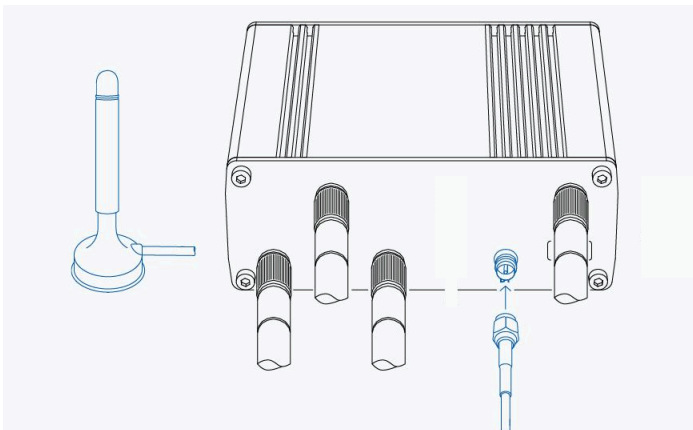
1. Attach the **MOBILE** antennas to connectors labeled “**Mobile MAIN**” and “**Mobile AUX**”.



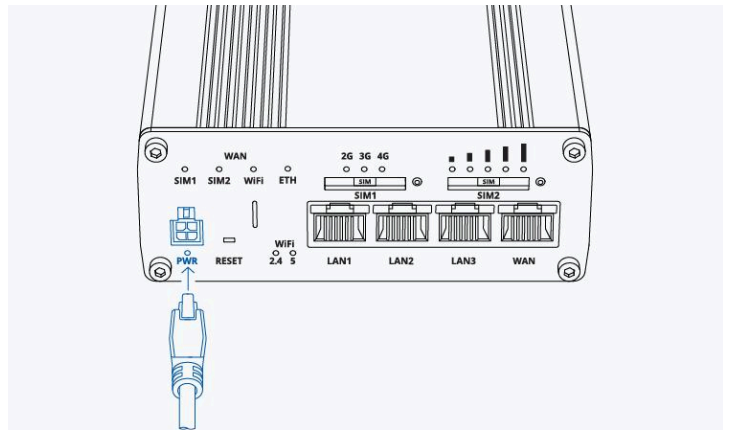
2. Attach both **WIFI** antennas to connectors labeled “**WIFI**”.



3. Attach the **Bluetooth** antenna to connector labeled “**BT**”.



4. Connect the **Power Supply** to the power socket on the front of the device.



5. Install the wall mount brackets.



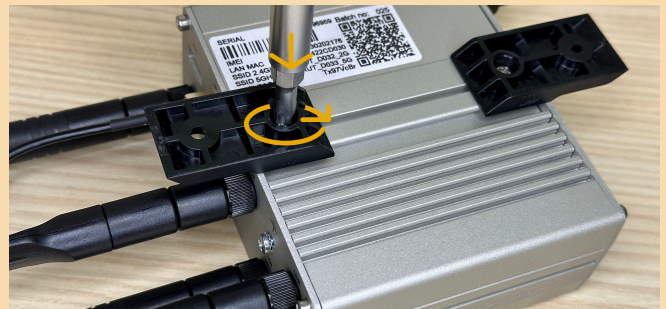
Insert **guide rails** in to the groove of the device at each end.



Secure **guide rails** with provided screws.



Important: Tighten the screw while applying downward pressure to ensure a firm grip on the screw.



Installing the Primary Gateway

Select a suitable location for installation. **Its is strongly recommended that the Primary Gateway is installed in a central location in the Service/Production Area.** This will ensure proper communication with sensors and the Secondary Gateway.

Important:

- When possible, avoid installing immediately next to other electric devices to avoid signal interference.
- Plug in to power outlets with constant current (not on a timer or tied to a switch) to avoid interruption of temperature monitoring.

Here are some examples of suggested installation locations for the most common kitchen layouts:

Global Next Gen Kitchen

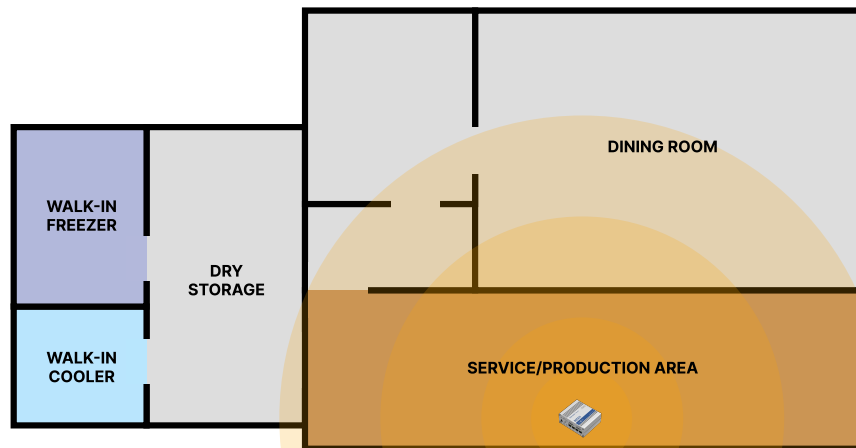
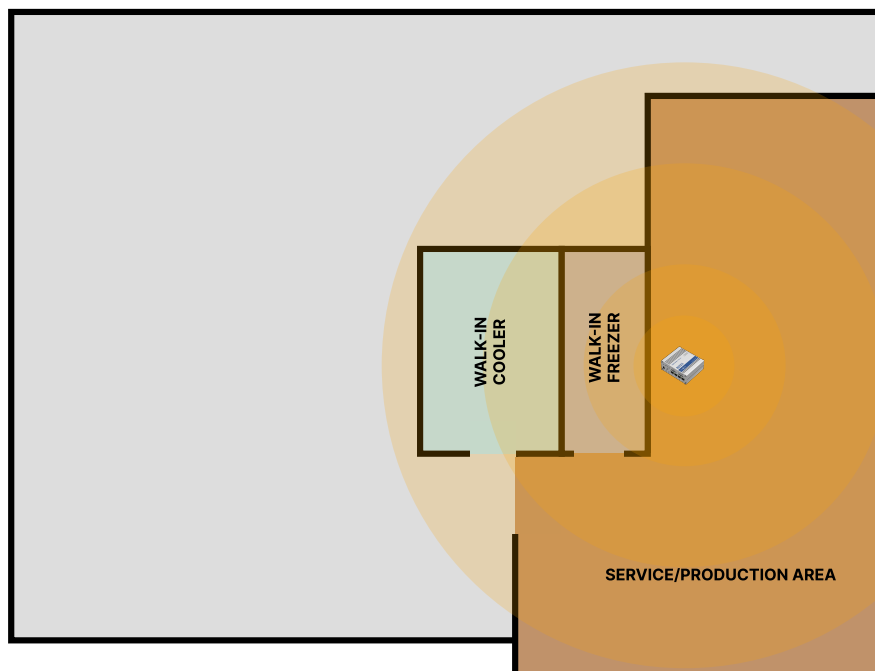
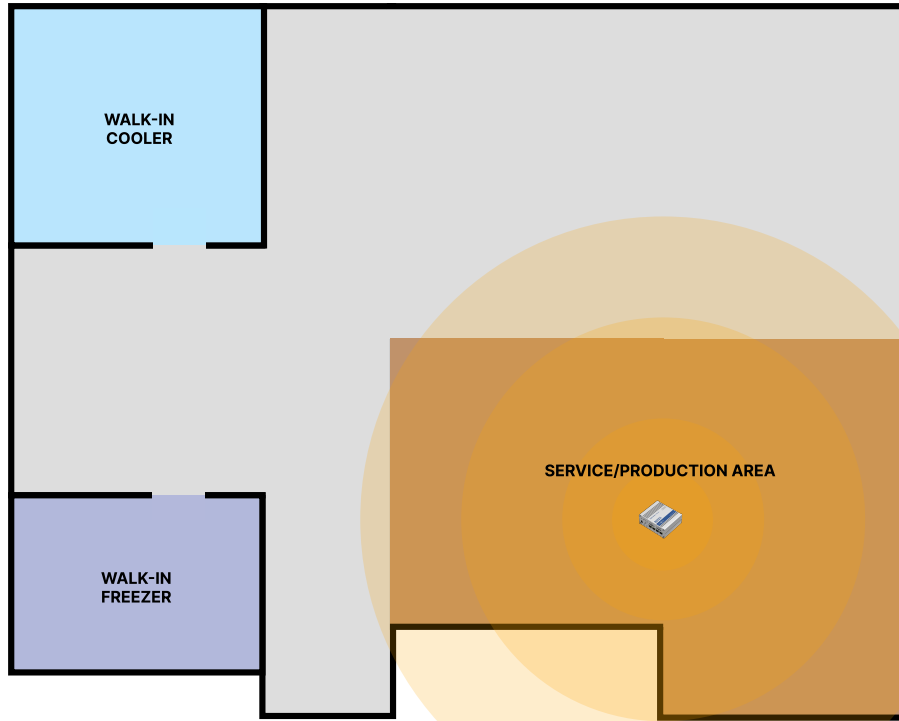


Image Kitchen

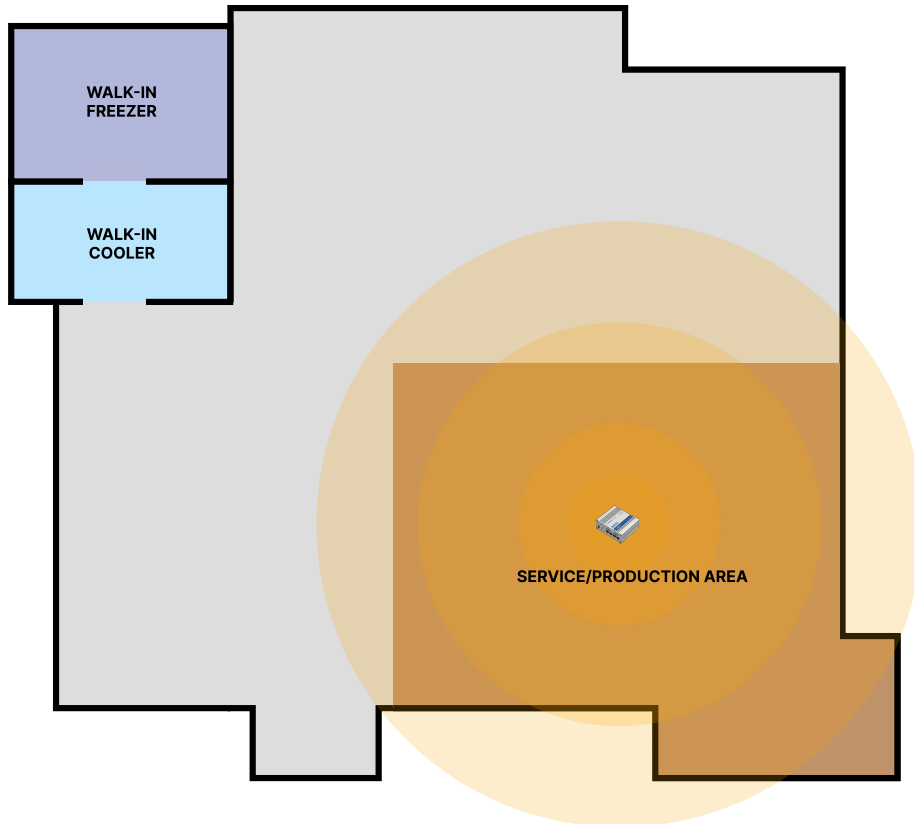


Installing the Primary Gateway

Smart Kitchen



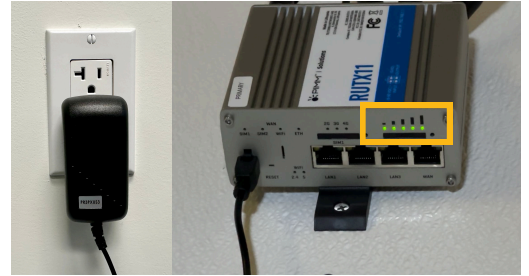
Modern Kitchen



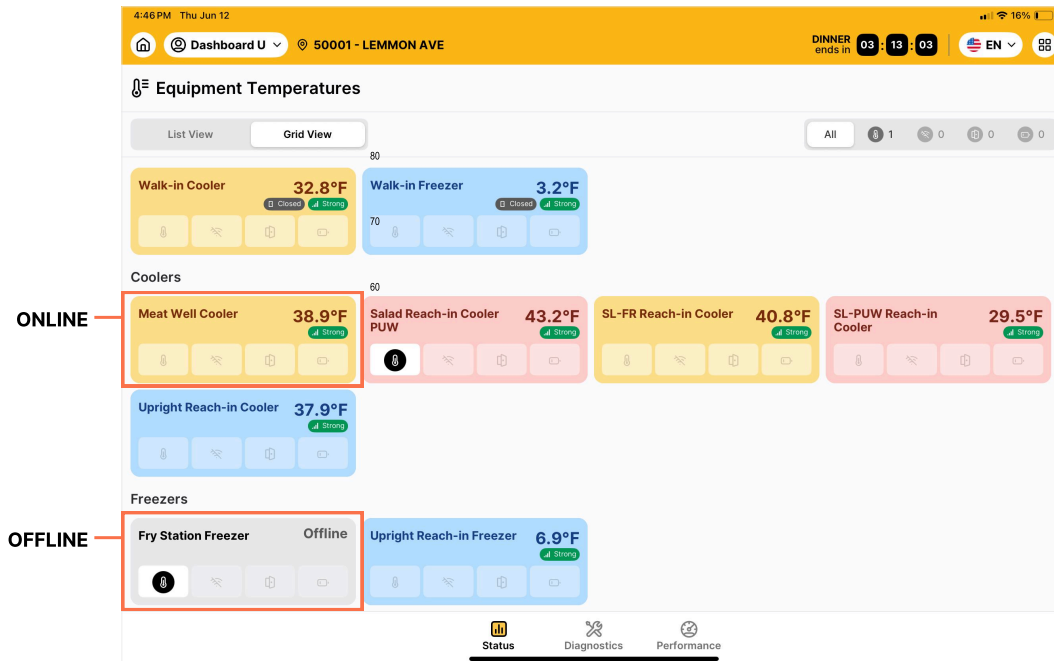
Installing the Primary Gateway

Before mounting the Primary Gateway on the wall

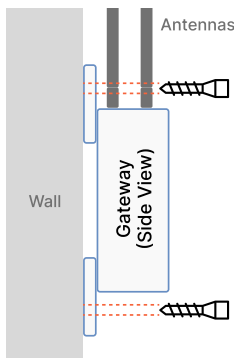
1. Plug the power adapter to the power outlet in the designated area. The LED lights will indicate the unit is powered on.



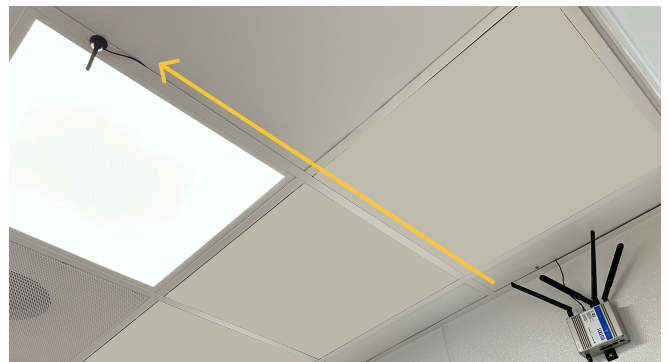
2. Leave the unit plugged in for a minimum of 15 minutes. After this, verify in the **opsbee** app that all sensors associated to the Primary Gateway are reporting.



4. Mount the PRIMARY GATEWAY vertically on the wall using the 2 provided screws.



5. Run the Bluetooth antenna cable above the ceiling tiles at least 4ft away from the gateway. Attach the Bluetooth antenna to the metal ceiling grid using the antenna's magnetic base.

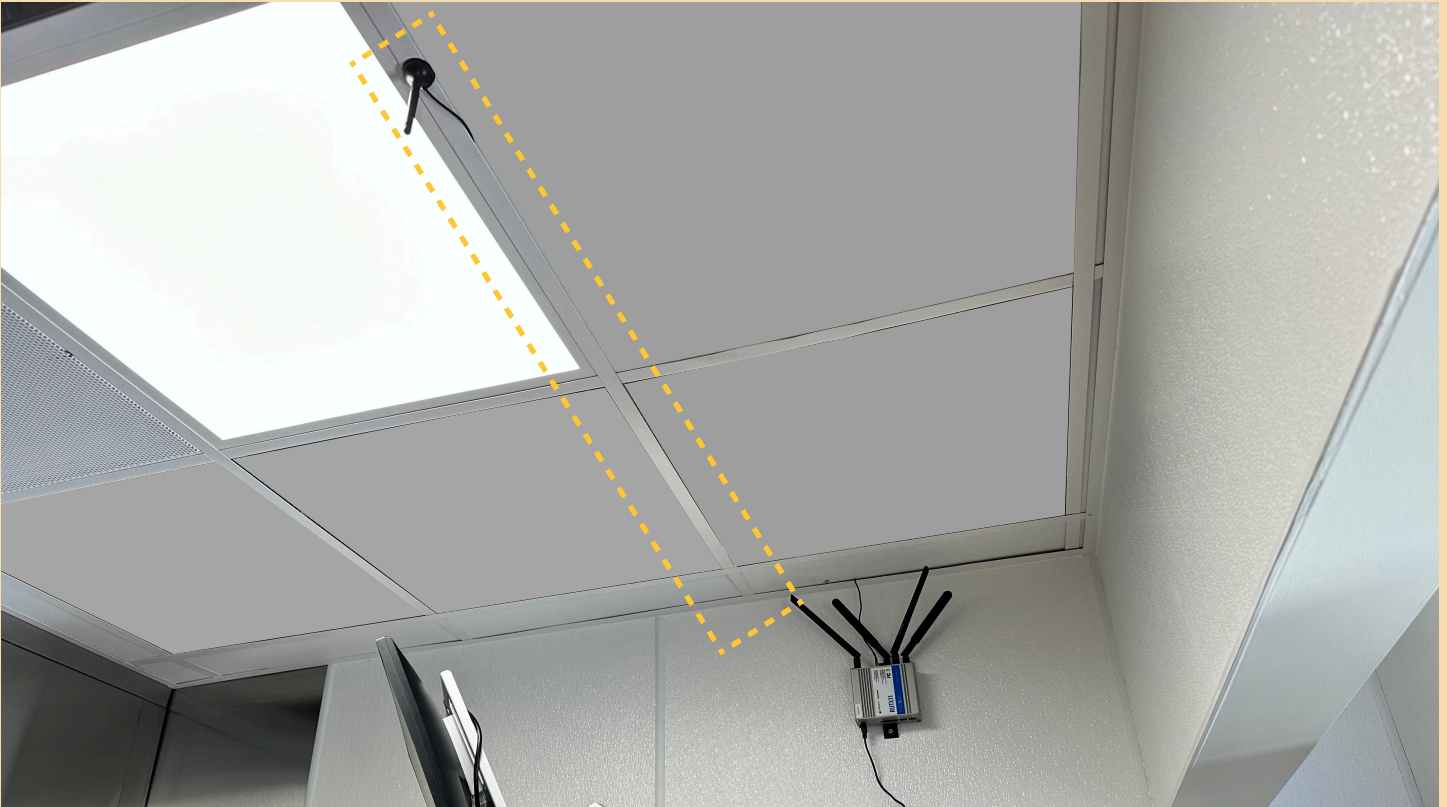


Installing the Primary Gateway

IMPORTANT:

Ensure the Bluetooth cable is concealed above the ceiling tiles to avoid damage to the unit.

Sample Installation



EYE Temperature Sensor Installation (On-line Coolers and Freezers)

IMPORTANT:

- Choose a safe location where sensors won't be exposed to damage.
- Please be careful that the location of sensors does not interfere with the position of the shelving.

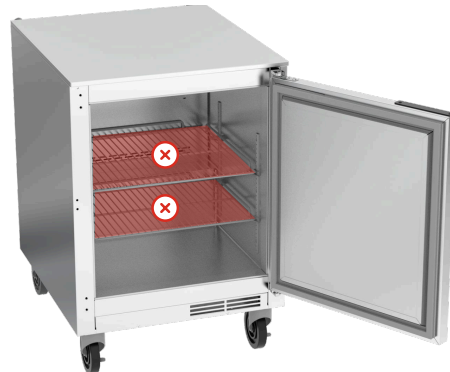
Recommended locations for EYE sensor installation

Install sensors on side wall panel at least half way into the unit and at least half way up from the bottom of the unit.



Locations to avoid when installing EYE sensors

Placing sensors at the back, bottom, or on the racks should be avoided. These locations are more vulnerable to damage from accidental impacts during loading and unloading or exposure to moisture from condensation and spills. These locations are also prone to signal interference or complete drop-off.



EYE Temperature Sensor Installation (On-line Coolers and Freezers)

IMPORTANT:

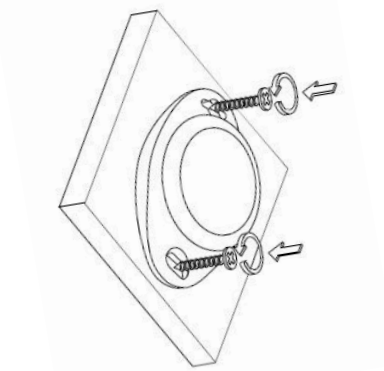
Each sensor is labeled and pre-assigned to each On-line Cooler or Freezer. Check the name on the back of each sensor to ensure they are installed in the correct unit.



Mounting Options

Using Screws (Recommended)

Place device on the side wall of the unit and secure it with using the self drilling screws provided.

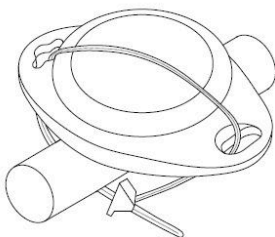


Sample Installation using screws

Using Zipties

Place ziptie thru both device holes and around the object you want the device secured to.

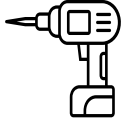
NOTE: Zipties are not as secure as screws and have a chance of breaking, causing the sensor to become loose and misplaced.



Sample Ziptie Installation

Secondary Gateway Installation

Required Tools



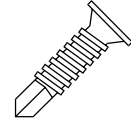
Drill



Zip ties (included in Accessory Bag)



Phillips Screwdriver



Self-drilling screws (included in Accessory Bag)



Level

List of Parts



RUT X10 Secondary Gateway



Mounting Brackets



Bluetooth Antenna



2 WiFi Antennas



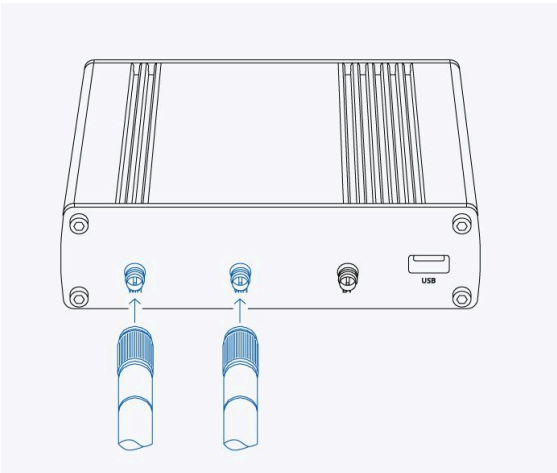
Power Supply



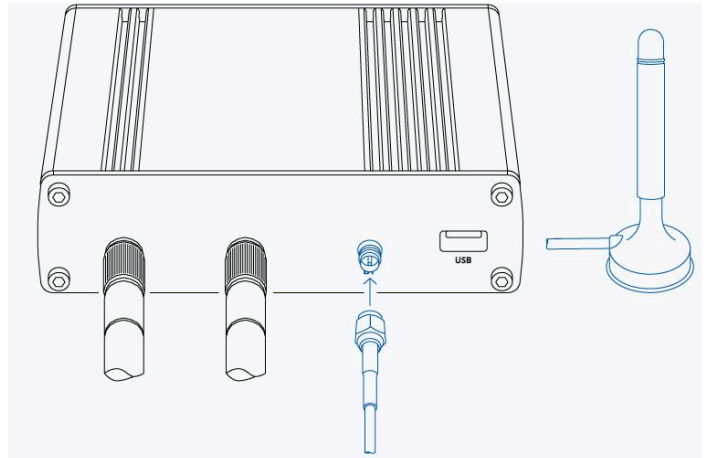
Accessory Bag

Secondary Gateway Setup

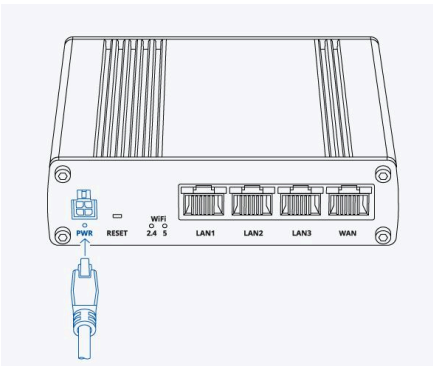
1. Attach both **WiFi** antennas to connectors labeled “**WiFi**”



2. Attach the **Bluetooth** antenna to connector labeled “**BT**”



3. Connect the **Power Adapter** to the power socket on the front of the device



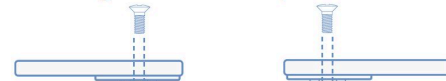
4. Install the wall mount brackets.



Insert **guide rails** in to the groove of the device at each end.

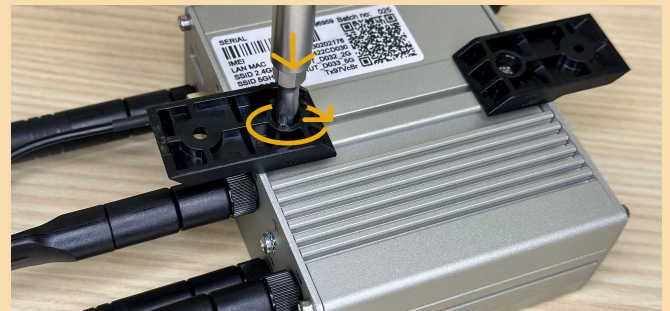


Secure **guide rails** with provided screws.



Gateway
(side view)

Important: Tighten the screw while applying downward pressure to ensure a firm grip on the screw.



Installing the Secondary Gateway

Select a suitable location for installation. **Its is strongly recommended that the Secondary Gateway is installed on the backside of the restaurant, as close to the Walk-ins/Bun Freezer units as possible.** This will ensure proper communication between sensors and the Secondary Gateway.

Here are some examples of suggested installation locations for the most common kitchen layouts:

Important:

- When possible, avoid installing immediately next to other electric devices to avoid signal interference.
- Plug in to power outlets with constant current (not on a timer or tied to a switch) to avoid interruption of temperature monitoring.

Global Next Gen Kitchen

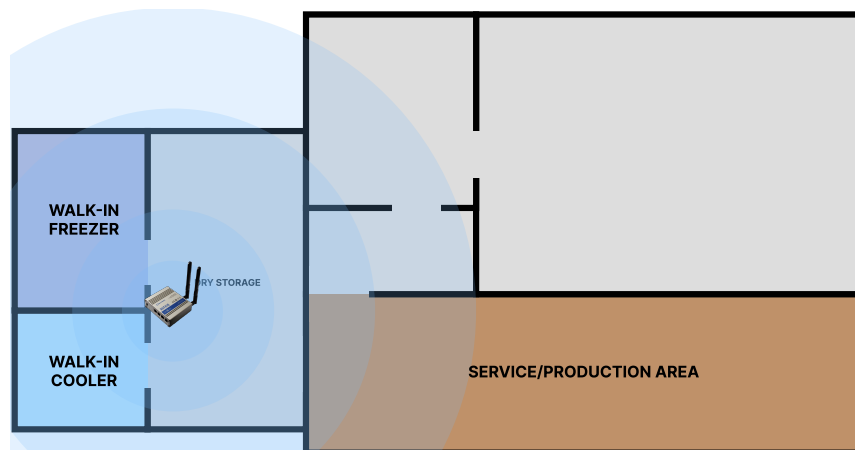
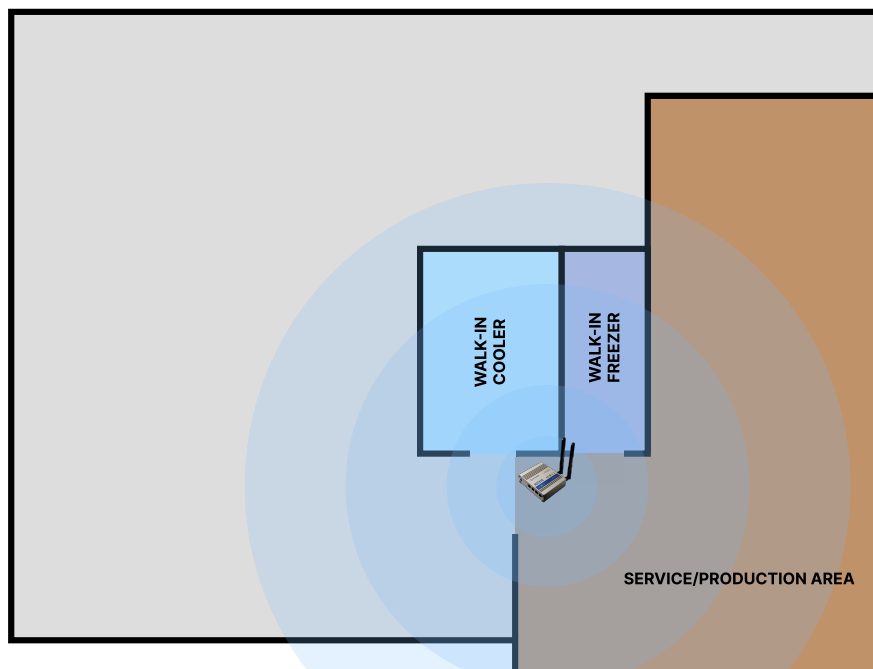
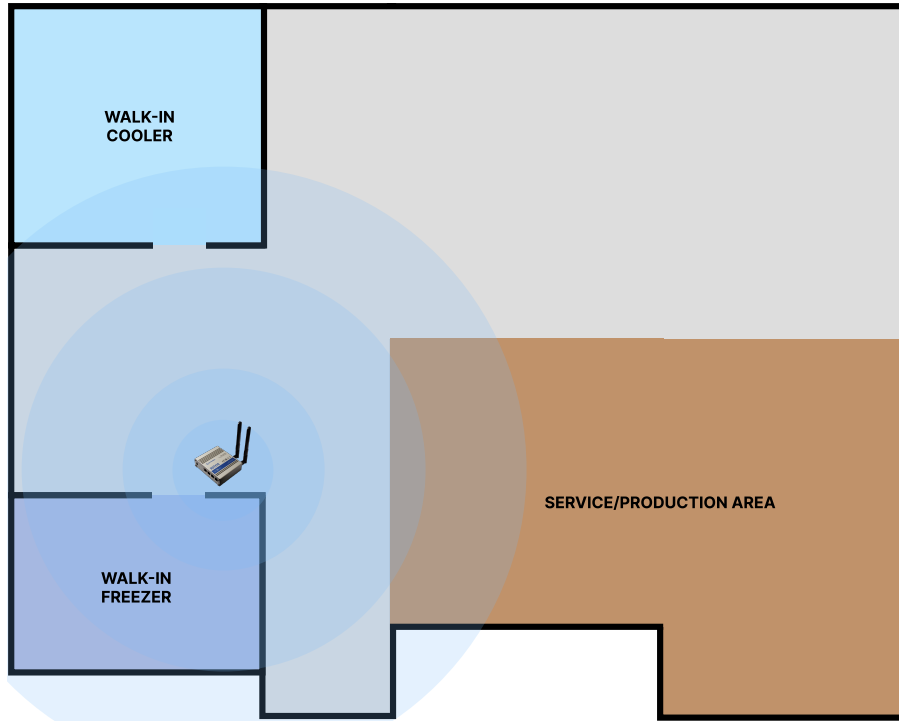


Image Kitchen

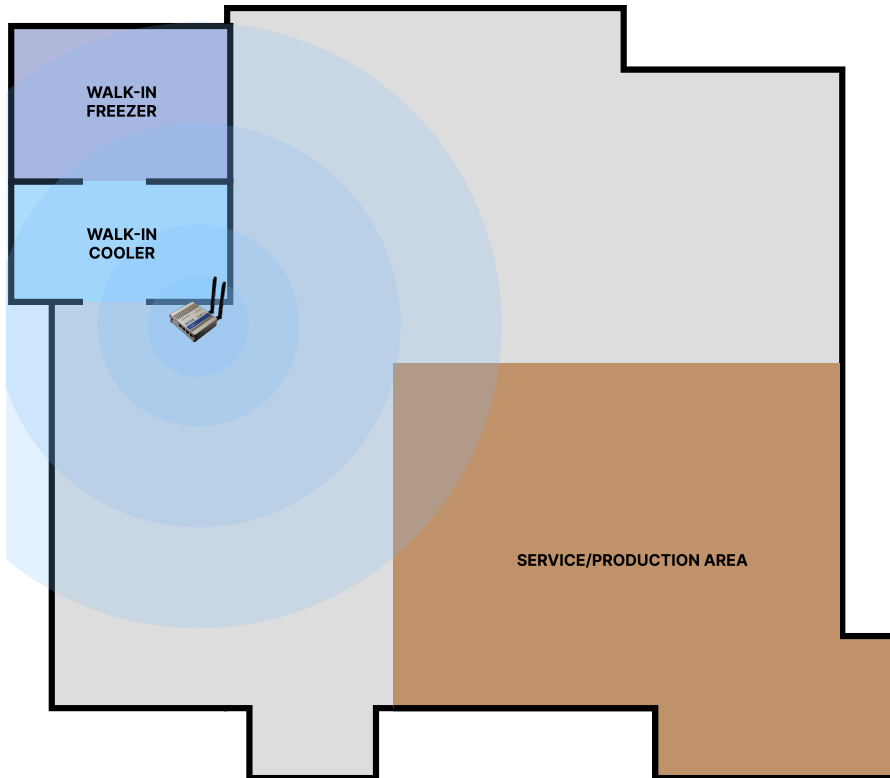


Installing the Primary Gateway

Smart Kitchen



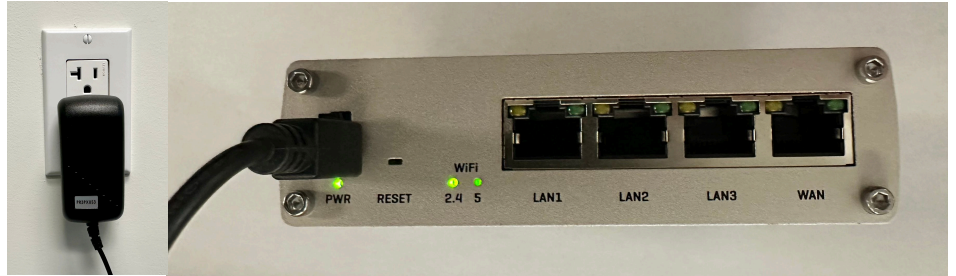
Modern Kitchen



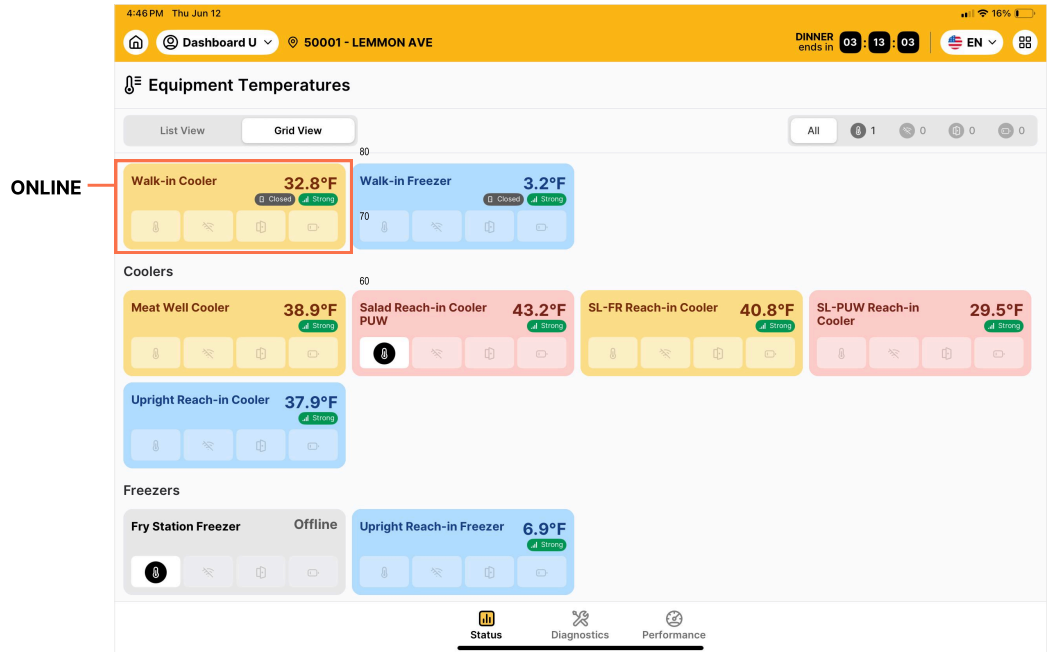
Installing the Secondary Gateway

Before mounting the Secondary Gateway on the wall

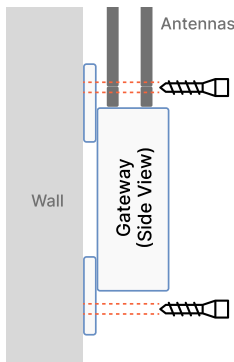
1. Plug the power adapter to the power outlet in the designated area. The LED lights will indicate the unit is powered on.



2. Leave the unit plugged in for a minimum of 15 minutes. After this, verify in the **opsbee** app that all sensors associated to the Secondary Gateway are reporting.



3. Mount the SECONDARY GATEWAY vertically on the wall using the provided screws.



4. Run the Bluetooth antenna cable above the ceiling tiles at least 4ft away from the gateway. Attach the Bluetooth antenna to the metal ceiling grid using the antenna's magnetic base.

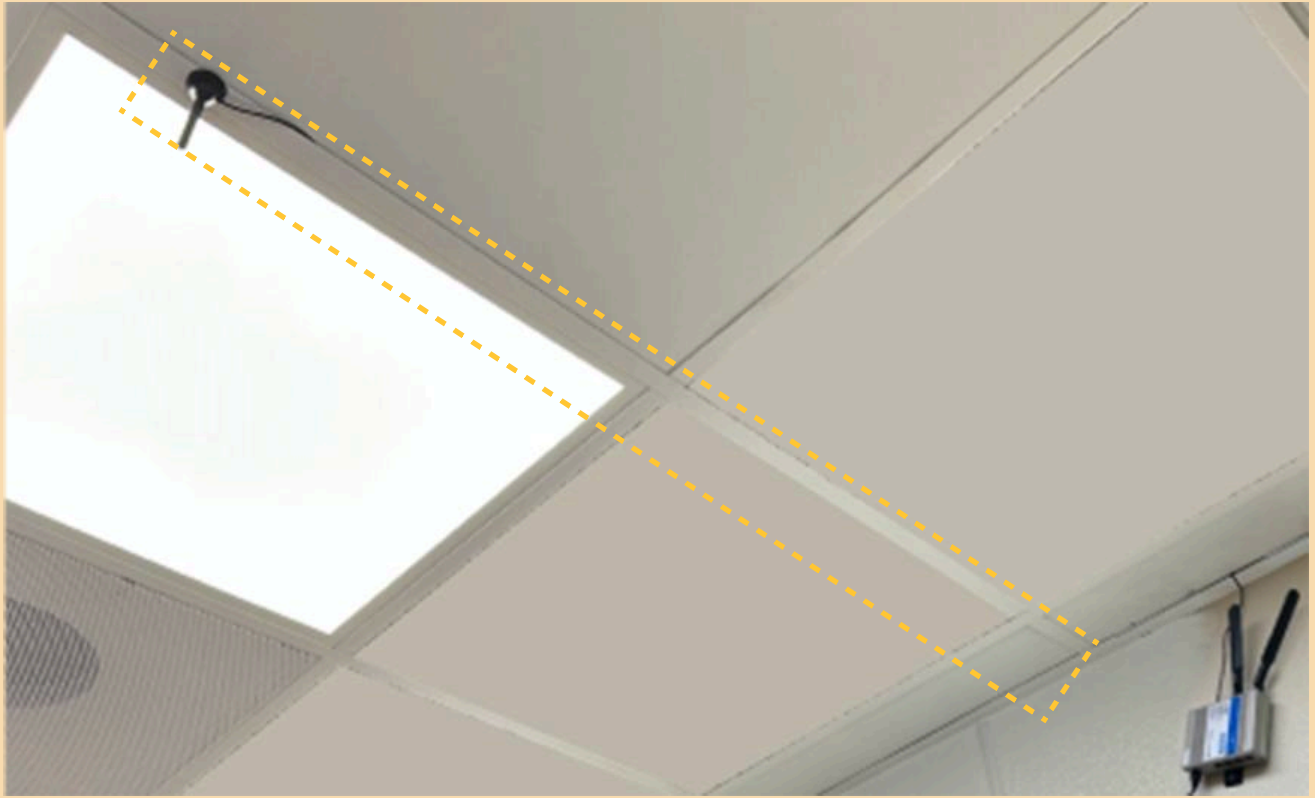


Installing the Secondary Gateway

IMPORTANT:

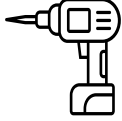
Ensure the Bluetooth cable is concealed above the ceiling tiles to avoid damage to the unit.

Sample Installation



Installing Puck Sensors and Door Sensors for Walk-in Cooler, Freezer and Bun Freezer (if applicable)

Required Tools



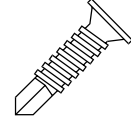
Drill



Silicone rated for low temperatures



Zip ties (included in Accessory Bag)



Self-drilling screws (included in Accessory Bag)



5/8 size cobalt drill bit made for heavy metal. Length of drill bit determined by depth of walls (Walk-ins & Bun Freezer if applicable)

List of Parts



PUCK Temperature Sensors



PUCK Mounting Brackets



PUCK Sensor Clips



EYE Door Sensors



Door Sensor Magnets



Accessory Bag

PUCK Temperature Sensor Installation (for Walk-in units)

IMPORTANT:

Each sensor is labeled and pre-assigned to each Walk-in. Please check the back of the sensor to ensure each is installed in the correct location.



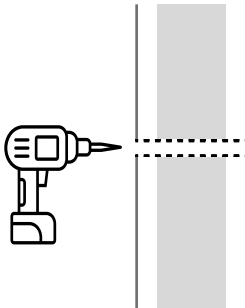
1. Attach the **mounting bracket** to the outside wall of the Walk-in using the provided Self-drilling screws.



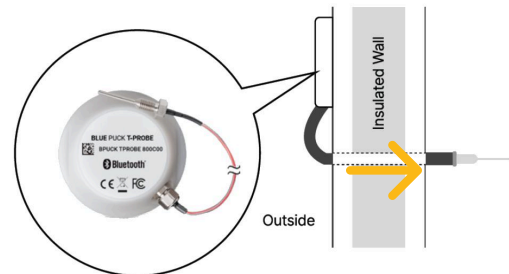
2. Slide the **PUCK Sensor** into the wall mount unit until it's secured.



3. Drill a hole through the insulated wall using a 5/8" Drill Bit.



4. Run the external probe through the hole into the refrigerated unit, secure the probe using the provided clips and apply silicone to holes.



View from outside the Walk-in



View from inside the Walk-in

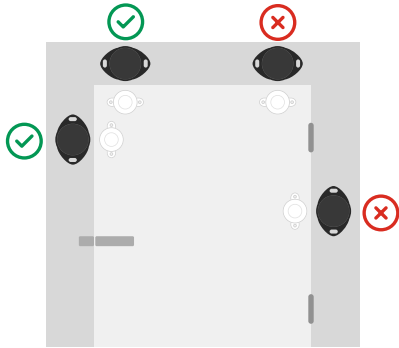
Ensure the probe, along with the red wiring, is clipped securely to the wall as close to the ceiling as possible to ensure proper temperature and avoid damage.



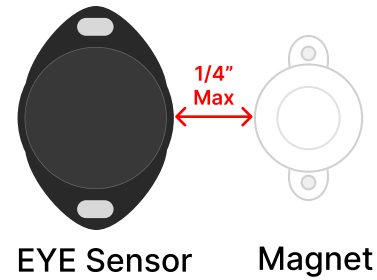
EYE Door Sensor Installation (for Walk-in units)

SENSOR AND MAGNET PLACEMENT:

Place the EYE sensor & magnet on the door on the same side as the door handle.



The EYE Door Sensor and the Magnet must be installed as close as possible. The distance between must not exceed 1/4".



If door and wall are flush:

Attach the **EYE Sensor** to the edge of the door frame using the provided **Screws**.



If door and wall are not flush:

Attach the **EYE Sensor** to the edge of the door frame using the provided **Screws**.



EYE Door Sensor Installation (for Walk-in units)

IMPORTANT:

Before installing the Door Sensor Magnet in the steps below, verify the Walk-in Cooler Door Sensors show the **open status**. This is done through the **opsbee** app you downloaded to your phone.

If door and wall are flush:

Attach the **Door Sensor Magnet** to the edge of the door using the provided **Screws**.



If door and wall are not flush:

Attach the **Door Sensor Magnet** to the surface of the door using the provided **Screws**.

