IoT MINI START KIT
QUICK START GUIDE

KIT CONTENTS

A  IoT Mini Start kit
B  CR123 Cell Battery
C  External Sensor

REQUIRED: A mobile phone with data, Ethernet connection or WiFi hotspot for the gateway.

TWO OPTIONS TO CONNECT THE IoT MINI START KIT:
1. LoRaWAN Using the MachineQ Gateway
2. BLE Using a Smartphone

CONNECTING TO LoRaWAN™
1. Create a new start account using your email address on the MachineQ website: https://machineq.net/signup
2. Setup your gateway following the instructions at https://support.machineq.com/articles/12-Getting-Started-with-the-MQflex-Tutorial
3. Switch to web to add a device following the instructions with the link below: https://mqcentral.machineq.net/devices
   - Click on add device, enter the device details and app key as written in the device’s identification sheet.
4. Install the CR123 battery on mini start and plug the external sensor. The mini start sensor LED will blink once after LoRaWAN™ network connection.
   - If it does not appear in the box hold the push button for more than 5s to trig a measurement.

CONNECTING TO BLUETOOTH LOW ENERGY (BLE)
1. Install TE SensorTag App on your phone. Complete App installation.
2. Briefly push the IoT Mini Start Kit button. The blue LED should blink while waiting for smartphone pairing.
3. Select your device in the list (the 4 digit are the last 4 of the DevUI located under the product 2D matrix or alternatively scan the 2D matrix of the IoT Mini Start Kit.

TROUBLESHOOTING

The Gateway does not appear in IoT in a Box App.
- This LED light 1 sec, at the power on during enrolment. It can take up to 3 minutes to display in the app. If the battery was inserted before the gateway was online, it can take much longer. To speed up new enrollment, remove the battery, push the button and re-insert the battery. You should see the IoT start LED blink once and appear in IoT in the box in a delay of 1-3 mins. You can try to refresh the App as well.

Can I add more than one sensor?
- Yes, you can add additional sensors. Click on add sensor in IoT in a Box App.

I cannot scan the data matrix of the gateway or IoT Mini Start Kit.
- Verify that you have authorized the App to access the camera to take pictures.

The IoT Mini Start Kit does not appear in IoT in a Box.
- Make sure that the gateway antenna is fully screwed-in.

The LoRaWAN™ radio range is poor.
- Performance is improved when the gateway or sensor are located in higher position and kept away from RF disturbances. (Electrical motors, computers, etc.)