



KAIDU



Wireless Indoor Positioning and Tracking platform

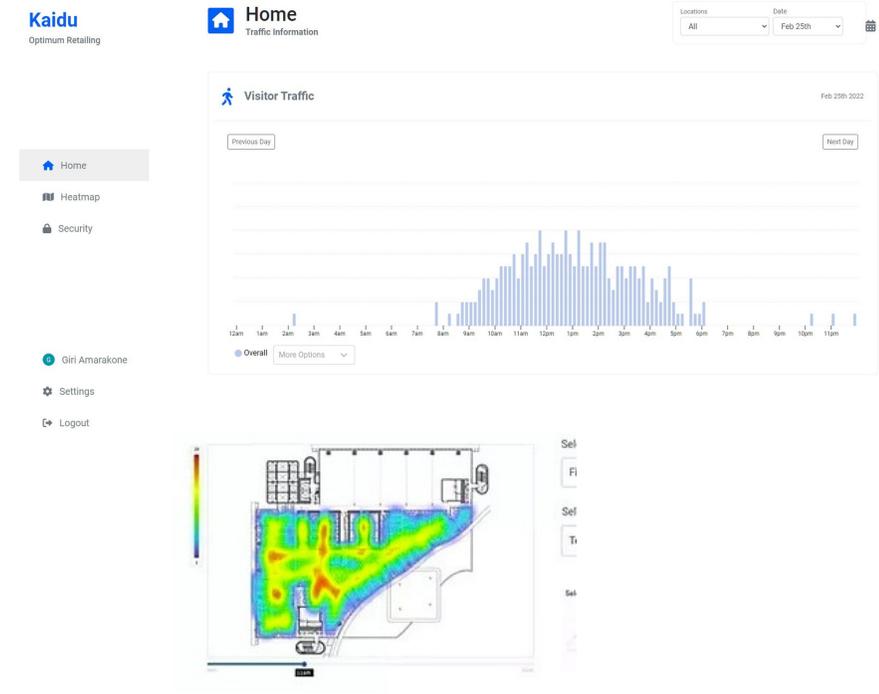
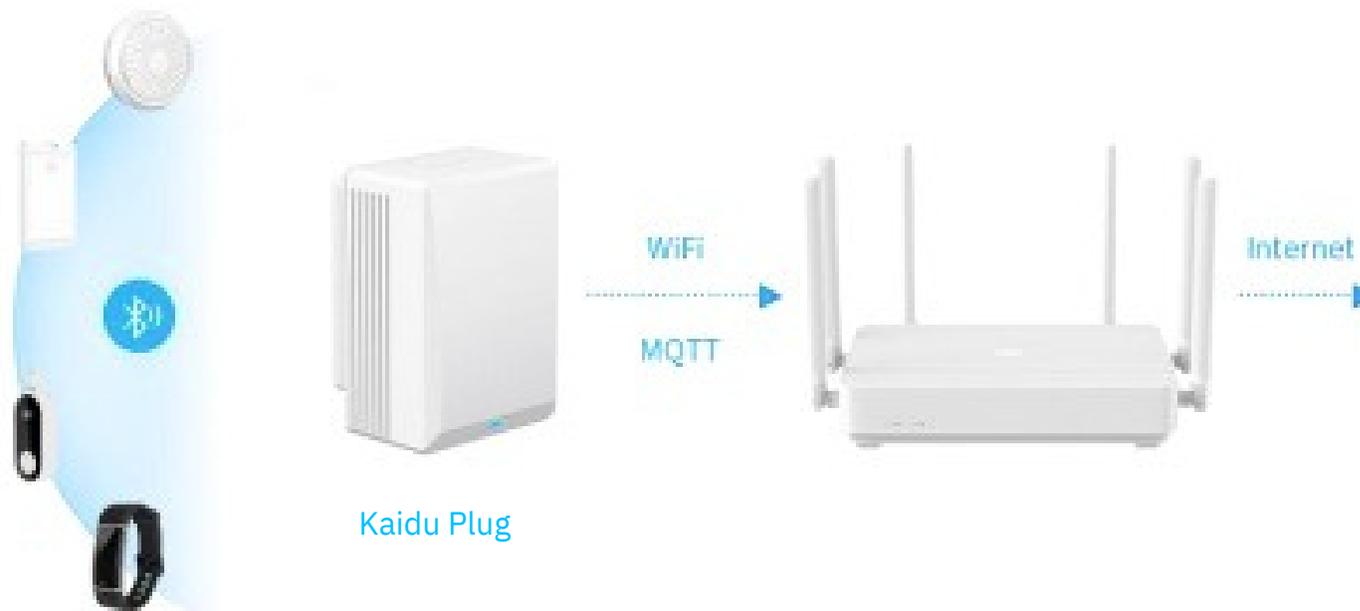
Wall Plug Series

Product Introduction

Our smart IoT gateway, the Kaidu Plug series, acts as a data connection between beacons and our cloud servers. The device captures the advertising data for the nearby beacons and devices through wireless signals, and uploads the information to our servers via Wi-Fi or LTE, creating a centralized asset tracking system, a real-time status monitoring system and an indoor positioning system, which can be achieved at a low cost.

The Kaidu Plug features interchangeable AC plugs and a Micro USB interface, offers a flexible power supply method, and is easy to install worldwide.

When Kaidu Plug connects to our cloud servers and our software renders the data, it becomes available through API endpoints or via our easy-to-use dashboards. Our AI algorithms analyze and process the data uploaded to our servers to predict and forecast business-relevant insights.



Features

Small compact design

The Kaidu Plug has a mini body and won't block the second socket when deployed.

Interchangeable AC plugs

The AC plug can be interchanged easily so that it can be used in many countries.

Anti-collision falling off design

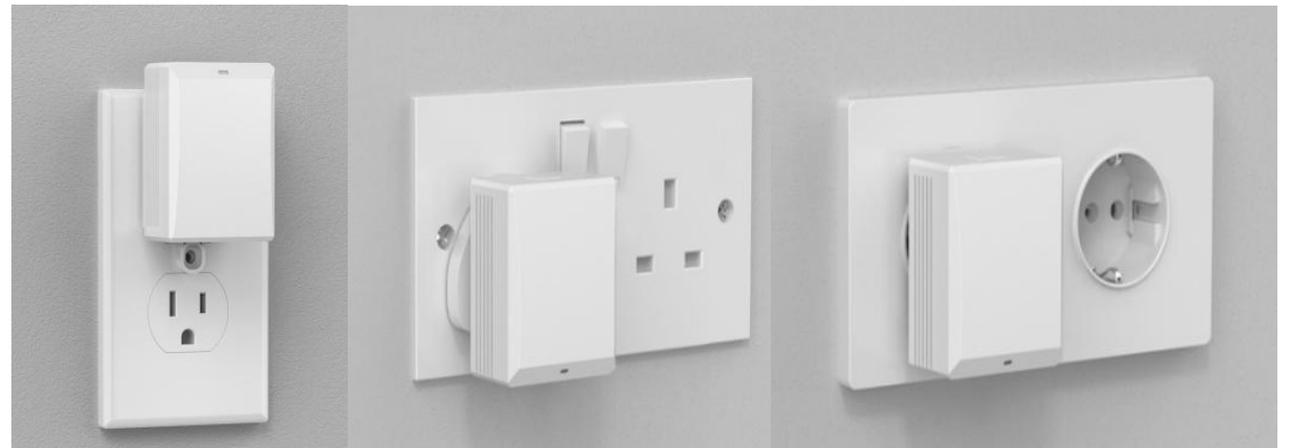
On the US plug, there is a locating hole that allows the gateway to be fixed to the socket so that it does not accidentally fall off.

Flexible power supply

Supports AC 100-240V and DC micro 5V USB power sources.

Easy setup using mobile app

Quick and easy setup is possible with the Android and iOS apps.



Features

Connection to the cloud servers

In order to perform further AI processing, the plug senses and collects anonymous, secure wireless data, which is then directly uploaded to our server. In addition to using the latest machine learning algorithms to convert the data into human-readable intelligence, our secure cloud servers ensure the security and privacy of your data.

Purpose build firmware

The software is specifically designed to scan nearby areas and collect data using non-intrusive methods. Upload the compressed and processed data to the server efficiently, effectively saving resources and power. Firmware is updated and maintained remotely, ensuring the latest.

Small and inexpensive hardware solution

Plugs can be easily deployed at any location with little installation effort thanks to their compact design and low cost. The ability to use AC or 5V DC power allows the solution to be used in a variety of locations or even on battery power.

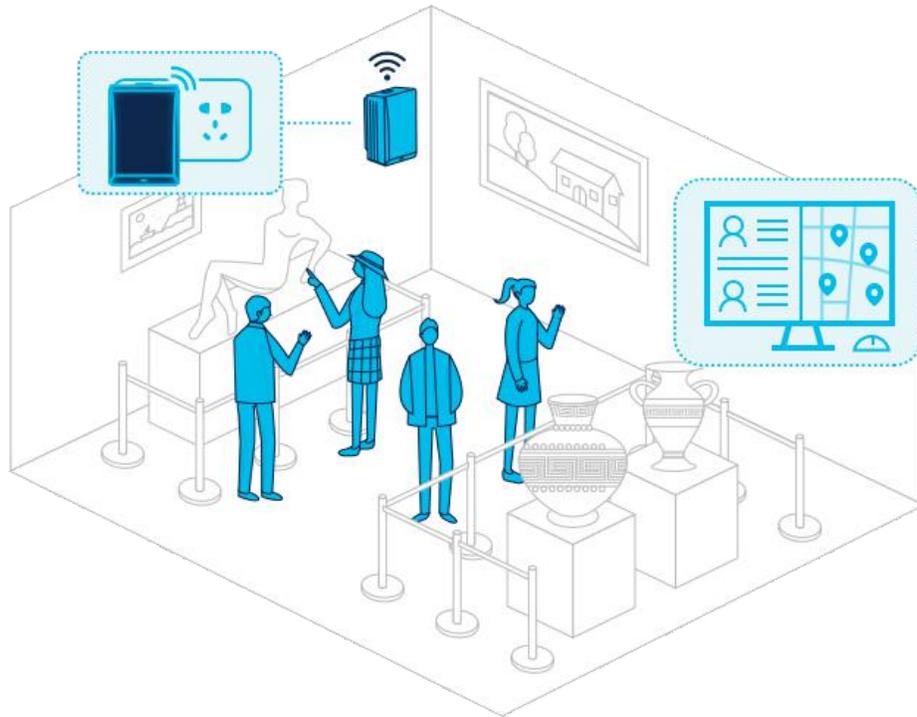
FCC & CE certified

Certified to meet high product quality and safety standards.



Applications

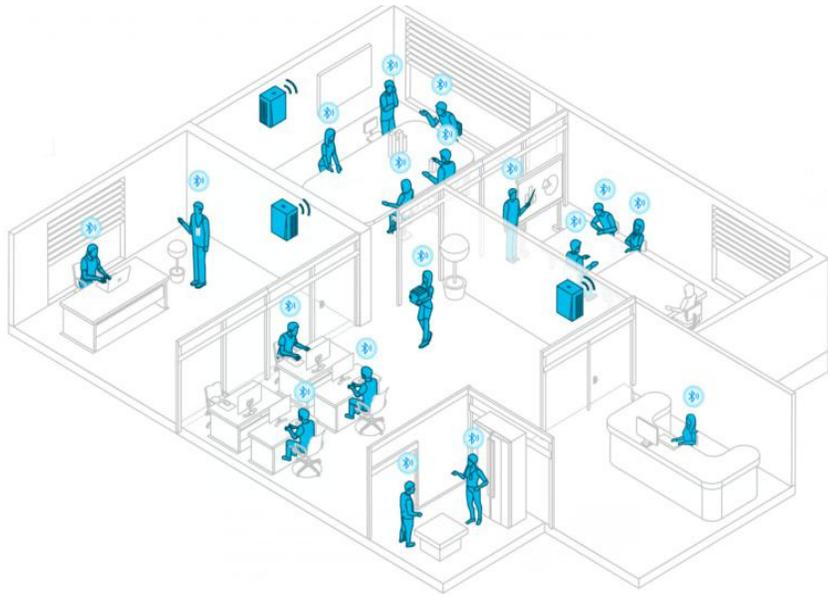
Based on its low cost, simple deployment and real-time scanning features, Kaidu Plug can be widely used in indoor positioning services, real-time condition monitoring and asset tracking, and is used in a variety of use cases including smart factories, healthcare, farms, retail and workplace applications. Our specialized software allows the plugs to detect visitors even when tracking beacons are not used.



Indoor positioning service

Deploy the gateway in the museum or exhibition, visitors who enter wear a beacon. The gateway scans the advertising data of the beacon and uploads the data to the server. According to signal strength, hardware address and other information, the real-time location of the visitor can be calculated and located on the server.

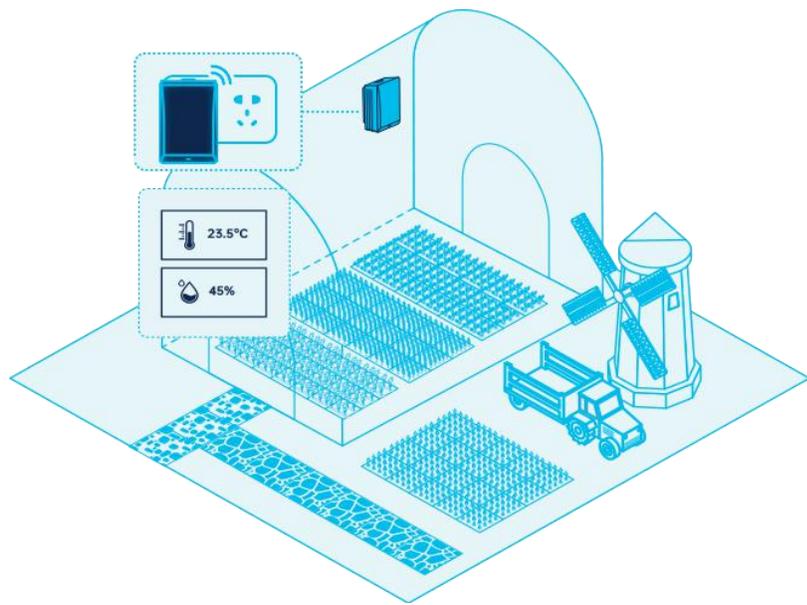
In cases where visitors are not wearing tracking beacons, the solution can track the mobile devices carried by the visitors. This data can be used to calculate the occupancy counts, hotspots and visitor paths.



Smart Workplace

Deploy the Kaidu Plug in the workplace, when the visitors or employees wear a tracking ID card with Bluetooth functionality, the Kaidu Plug scans the data of the card and uploads it to the server. You can know the employee's attendance status, working hours and interaction at locations at any time on the server.

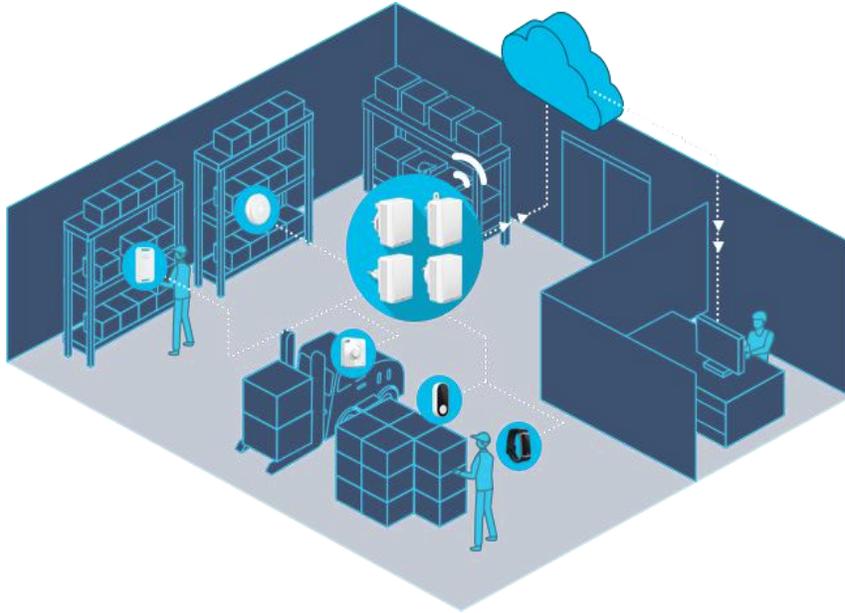
If the employees do not wear the cards, we can scan the mobile devices carried by the visitors and employees to obtain similar functionality. We can also integrate our the solution into the company's mobile apps to get even more features.



Smart Farm

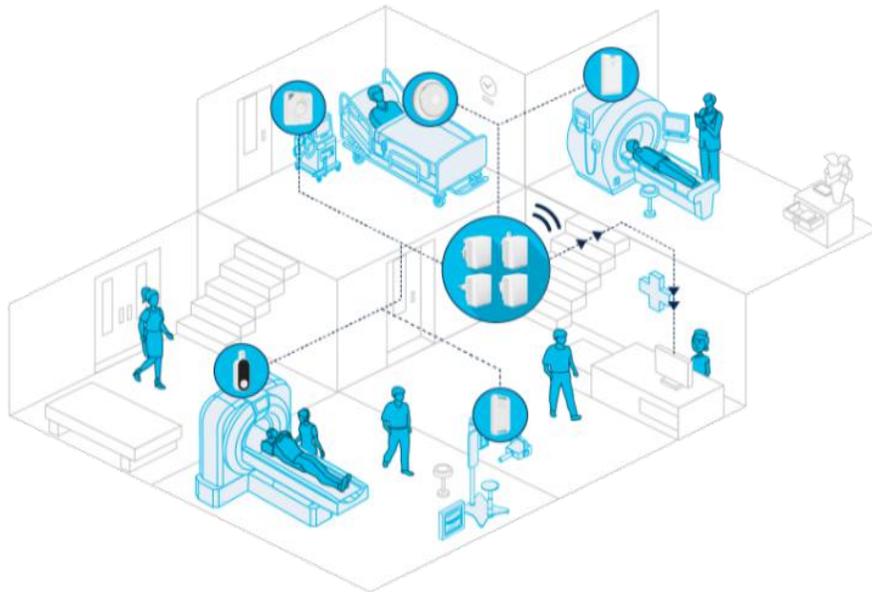
Deploy the Kaidu plug in the greenhouse, it can work with the temperature and humidity sensors. The gateway scans the advertising data of the sensor and uploads the data to our server. Track the change trend report on the server and send a notification when the temperature or humidity exceeds the appropriate range, so that the farmer can make timely adjustments.

This is on top of the tracking functions of employees and visitors to the farm.



Smart Factory

Deploy the Kaidu Plug in the factory, and deploy tracking beacons on expensive or important equipment, goods and forklifts. The gateway will scan the advertising data of the beacon and upload it to the server. On the server, we compute and locate the real-time position of the goods, generate motion trajectory reports, so as to understand the utilization rate of the goods. It also can send a notification when the goods are not scanned for a period of time. Effectively tracking location, utilization and even mobility patterns.



Smart Healthcare

Deploy the Kaidu Plugs in the hospital and deploy the tracking beacon on some important and often used medical equipment. The gateway will scan the advertising data of the beacon and upload the data to the server. The server can compute and locate the real-time position based on the data, so as to realize asset tracking and management.

Again the Kaidu Plug can also be used to track the visitors and workers to ensure that they do not get into sensitive areas.

Main Specification

Wireless

Wi-Fi 2.4Ghz & Bluetooth LE 5

Power Supply

100V-240V AC, 50/60Hz;
DC 5V Micro USB

Color

White

Certification

USA: FCC
Europe: CE

Range

Line of sight: 300 ft radius (~100m)
Indoor: 30ft radius (~10m)

Plug Type

US/UK/EU

Material

ABS + PC

Weight

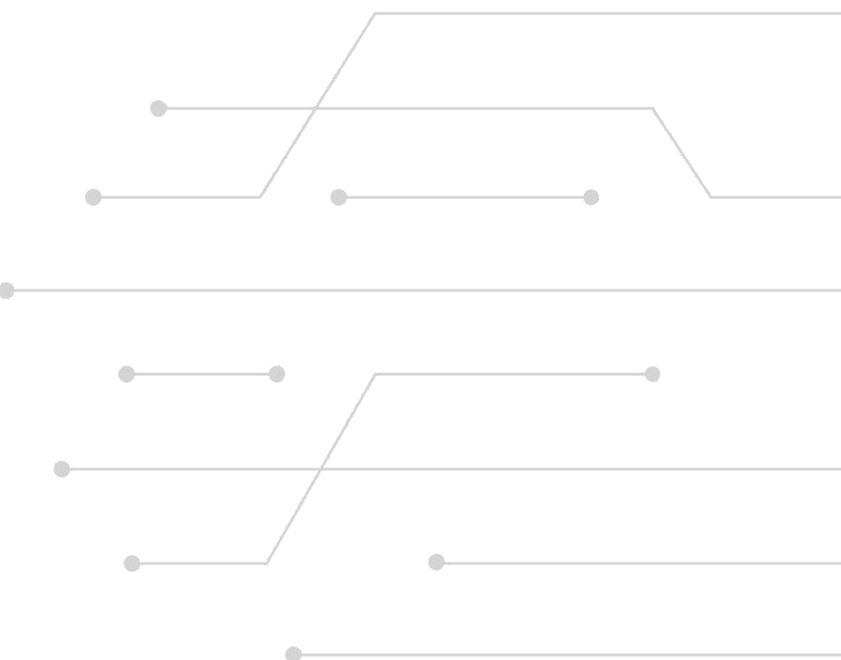
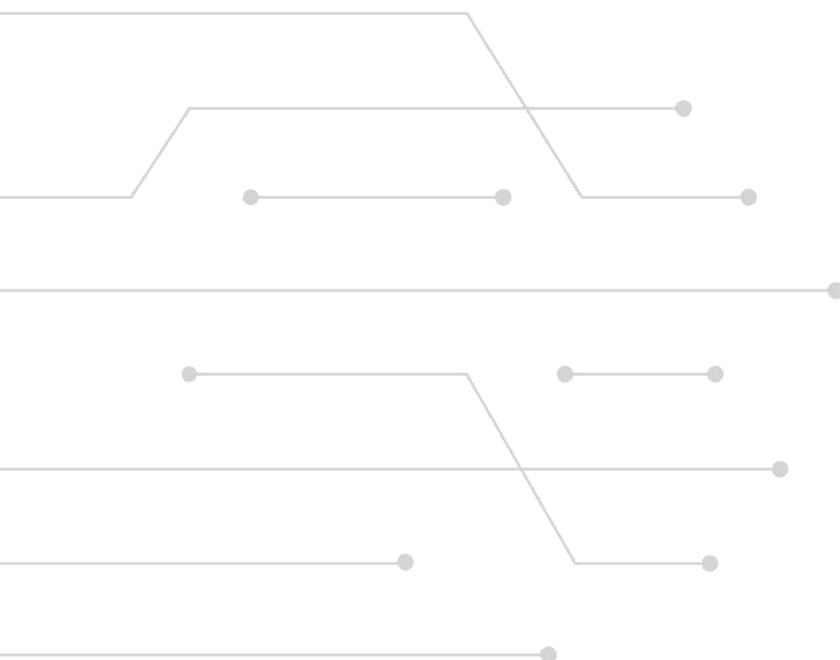
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Dimensions

2.43 in x 1.7 in x 1.37 in

61.8mm x 43.4mm x 35mm





Kaidu

Dallas, Texas & Toronto, Canada

mail: sales@kaidu.ai

www.kaidu.ai