

Delivering Bluetooth Data to your Asset Tracking Solution

SOLUTION BRIEF



Gathering location data to enable flexible asset tracking has become a critical element many IoT solutions – spanning industries such as Logistics, Smart Buildings, Connected Healthcare, and Smart Retail. **Rigado offers asset tracking solution providers a flexible and secure platform to gather the data they need.** Simply select your sensors, choose your cloud provider, deploy Rigado gateways - and data starts flowing into your cloud application for asset tracking.

Rigado Cascade IoT Gateways provide a unique IoT data solution that combines secure edge computing, a containerized application platform, management tools for orchestration at scale, and a variety of wireless connectivity options – all offered a simple ‘Edge-as-a-Service’ subscription.

In addition to tracking assets, Rigado Cascade Gateways can also be used for environmental sensing and command and control of local systems using powerful, flexible edge computing and Rigado’s optimized Bluetooth Low Energy (BLE) connectivity.

Why use Bluetooth for Asset Tracking?

The most popular low power wireless protocol in consumer IoT, Bluetooth has been rapidly gaining popularity for cost-effective Asset Tracking solutions at scale. This gain in popularity is due to the:



long battery life of BLE tags (often up to 7 years).

ability to gather a wide variety of sensing and monitoring data in addition to location information.

lower cost of IoT gateways.

increased accuracy of location information.

increased range of latest Bluetooth.

Rigado’s Cascade IoT Gateways leverage the latest Bluetooth technology from our partners at Nordic Semiconductor, including Bluetooth 5’s new long-range and extended advertising capabilities.

Why Rigado for Asset Tracking?

Rigado's Cascade Edge-as-a-service combines secure edge computing, a containerized application platform, management tools for orchestration at scale, a variety of wireless connectivity options and over 10 years of Bluetooth expertise.

Flexible IoT Connectivity

Range of options for end-devices (Bluetooth & Wi-Fi) and upstream cloud data connections (Ethernet, Wi-Fi, LTE).

Edge Computing

Our gateways run Ubuntu Core for secure container management and the ability to easily deploy, run and update multiple applications on a single gateway.

Security at Scale

Certified security that starts at the point of manufacturing and extends to in-the-field patches as new threats and exploits emerge.

Simple Management

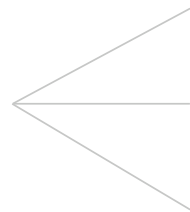
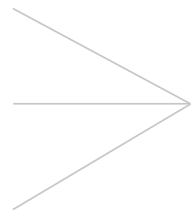
Monitor connectivity and performance of your gateways, and easily deploy edge application updates via our cloud interface or use the included API with your DevOps tools.



Cascade for edge connectivity, computing & security
Edge-as-a-Service solution for Commercial IoT

Rigado Cascade allows companies to **reduce** their **time-to-market**, **cost**, and **risk** when delivering large-scale asset tracking, sensing & monitoring, and real-time command & control.

Rigado Solutions for Asset Tracking



CONNECTIVITY

Bluetooth 5 . 802.15.4
Wi-Fi . Ethernet . LTE . Mesh

COMPUTING

easily run edge applications
for device control & data

SECURITY

secure updating at scale
for devices in the field

About Rigado

Rigado powers Edge Connectivity for more than 300 global IoT customers and 5 million devices.

Our gateways, modules, and Edge-as-a-Service significantly reduce the time, cost, and risk of building and managing IoT solutions.

Rigado is headquartered in Oregon, USA with offices in London, UK and Shenzhen, China.

Visit www.rigado.com to learn more.