



Bluetooth Mesh

Managing with

Asset Tracking and Remote
Beacon Management with
CSRmesh™ Connectivity

To provide even more functionality for the rapidly growing Internet of Things (IoT) industry, Qualcomm Technologies International, Ltd. introduced a set of new features for CSRmesh, a time-saving, low-energy way to manage fleets of beacons and tagged assets using a Bluetooth-based mesh network.

The system is simple: Use a Bluetooth-based mesh network to perform tasks remotely, such as monitoring and updating beacons or tracking and finding assets throughout a fleet of Bluetooth-enabled devices and nodes. Control and monitoring can be done directly on the network from a smartphone, and access is possible via a gateway. Heat maps, dwell times, and other useful data can be collected and passed to a back-end service for analyses. Whether finding lost items, pushing software updates to multiple beacons, or uncovering valuable analytical data, CSRmesh is designed to meet the growing needs of the IoT.



Seamless Asset Tracking

Track important equipment in a hospital, products in a warehouse, or know where people or things are inside a building during an emergency.

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A hospital IT manager locates a mobile sonogram machine using a smartphone to send a message over the mesh to all trackers, which are continually scanning. When a tracker sees the machine's beacon, it announces this over the mesh. Over time, trackers report where the machine was and for how long, to enable useful analysis.

Time-Saving Beacon Management

Mesh Managed Beacons save manufacturers and service providers time and costly service calls when administrating and pushing important updates to the network.

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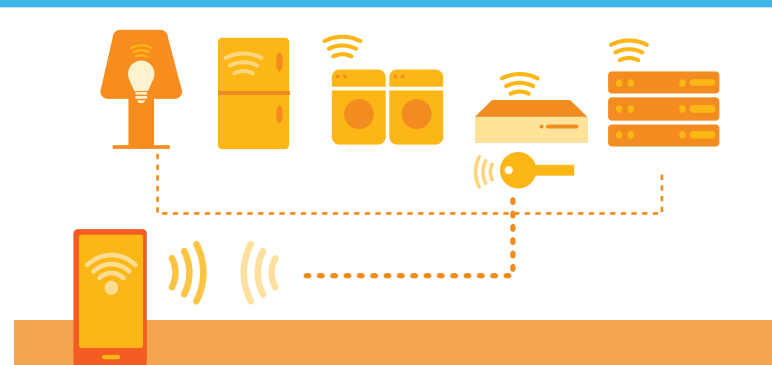


An IT manager who needs to update beacons throughout a business, such as a department store, can easily push updates remotely. Without the mesh network, the manager may need to visit each beacon to perform the update.

Lost is Found

Using a smartphone, a user within a mesh-enabled household can find lost items with ease.

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A beacon attached to a keyring enables all the other tracker nodes in the house to help find its location. The homeowner uses a smartphone to ask the trackers if they have seen the keychain beacon, and they report back through the mesh.