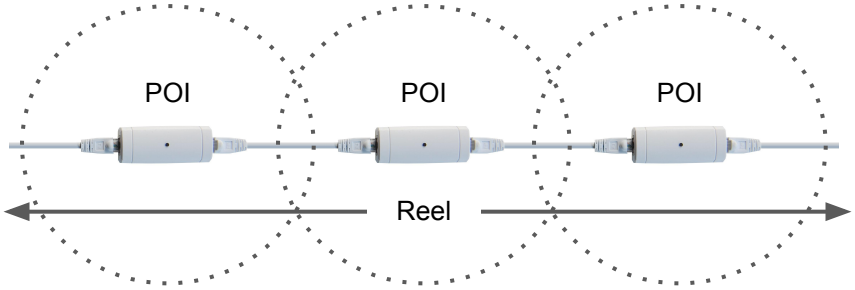
reelyActive

System Overview

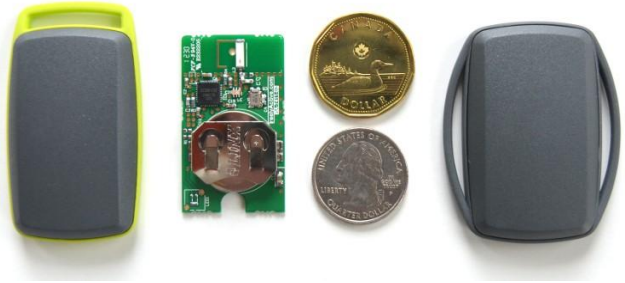
reelyActive infrastructure serves to identify devices at points of interest (POI). A radio transceiver, called a reelceiver, is installed at a POI. The reelceiver decodes radio messages and communicates this information to the network. Wired or wireless network connections are possible using off-the-shelf devices called hubs.

reelyActive infrastructure can easily accommodate additional POIs using the same power and network connection. Reelceivers can be interconnected using standard Cat5e cables to create a "reel". Both power and communications are provided by the reel which can support tens of reelceivers to lengths beyond 100m.

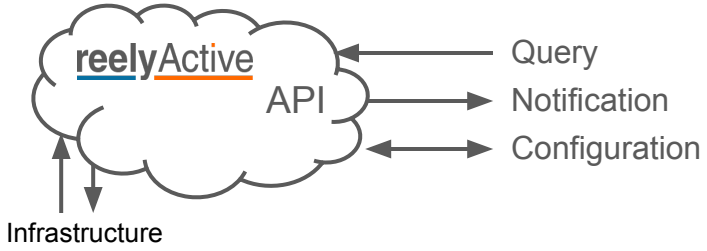


Typical indoor read range is greater than 10m. In many configurations, devices will be decoded at multiple POIs. Based on signal strength, the system automatically identifies the closest POI.

Tags are uniquely identifiable radio transceiver devices. Powered by a replaceable coin-cell battery, typical lifetime is one year or more. Tags use an off-the-shelf keyfob enclosure, but also support custom industrial designs that can be as little as 6mm thick.



reelyActive offers a RFID infrastructure-as-a-service solution hosted in the cloud. Alternatively, a server can be hosted locally. In either case the system interface is an API. The API supports both queries and notifications, and includes diagnostics and semantic labeling features.



"What is near X?"
"Where is Y?"
"Notify me when something arrives at Z."

In summary, reelyActive is a platform for identifying the interaction of people, places and things at a human scale. It consists of a versatile, set-up-and-forget infrastructure that supports current and emerging radio standards and a rich API that enables almost any application on any device.

 For more information, visit reelyactive.com