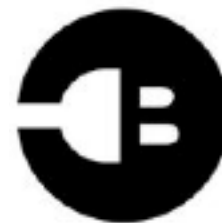


Background and Motivation

The starting point

- There are several ways to power an IoT device
 - On-wall plug
 - Battery
 - Ambient Energy Harvesting
 - Solar Panel
 - **RF-Powered Device** e.g. RFID Tag



Background and Motivation

RF-Powered Device

- remarkable advantage:
 - Extremely low cost in both **Deployment** and **Maintenance**
No need to routing power wiring for it
No worry for battery replacement
- obvious disadvantages:
 - It is **OFFLINE** - cannot access or be accessed from the Internet
- How to bridge those RF-Powered Devices with Internet?