

# Background and Motivation

## Bridge **RF-Powered Device** with **Internet**

- Idea proposed in this paper:
  - still let RF-powered device access Internet through WiFi

*The cheapest way to access Internet  
Wifi is everywhere nowadays*

- But use WiFi in a **non-WiFi** manner: Wi-Fi Backscatter
- what does this mean?

# Design

## How we empower the RF-device to access wifi?

- A basic scenario:
- Helper/Reader can be any off-the-shelf products - there is no deployment cost
- Discuss the downlink and uplink communication separately, the two are totally different schemes

