Abstract
This project provides the design and production of a sensor that will track the contents of a user’s pantry. The Smart Pantry will be able to automatically detect changes in any pantry item and reflect that information on the user’s mobile device to make it faster, easier, and more reliable to track changes in one’s pantry.

Items Recorded
- Canned Goods
- Tomatoes
- Sugar

Wi-Fi Board
- Particle PO Wi-Fi module
- 120Mhz ARM Cortex M3
- 802.11b/g/n

Applications
- Home use (Pantry)
- Retail (Loss Prevention)
- Warehouse (Inventory)

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