

What is it

Help Grandma is a device that lets elderly people get help from the comfort of their homes It's a simple device that has a colourful touch screen ,buttons ,leds and gsm /LTE capability.

What does it do

An elderly person presses a button, the device sends an sms or notification to a rider who collects the item from a shop and brings it to grandma.

System Components

- Microcontroller
- Speakers and microphone
- Touch screen LCD
- Buttons
- Battery
- GSM module / wifi
- GPS module

Block Diagram LCD Screen System Architecture Microphone spi 12S GSM Uart Uart GPS Microcontroller Battery adc Charger i2S / pwm spi Battery Speaker GPIO SD Card LEDS and **Buttons**

Software Architecture



