



Dakton Microlabs

Drinna PCB 3.0

Project Drinna 3.0

Deadline ASAP

Last update 19 05 2021 by Manuel BM

Doc ver. 1.0

Overview

Drinna is an IoT device that allow to collect data from sensors such as temperature, humidity, etc..

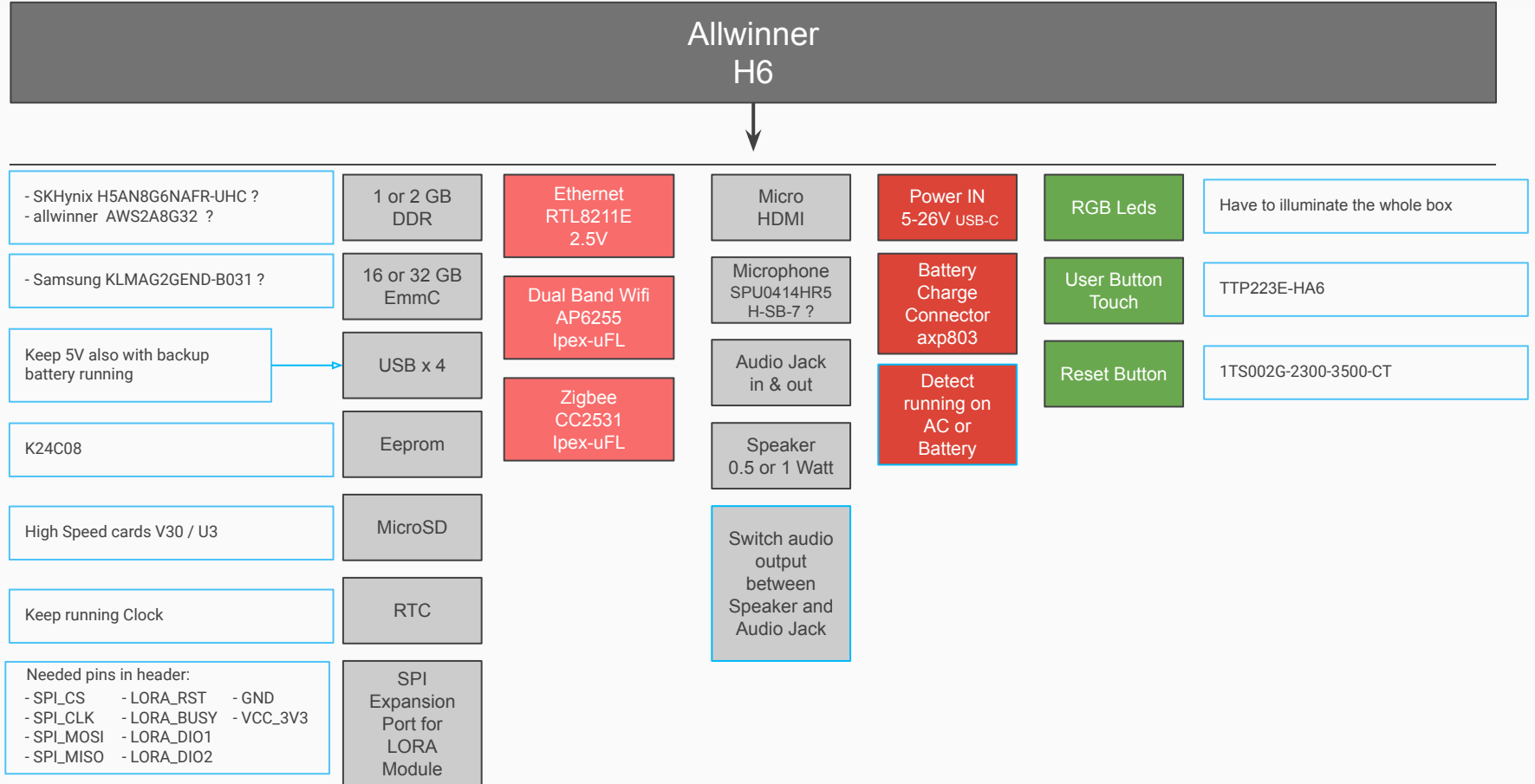
Some properties:

- Wifi and Ethernet connectivity.
- Zigbee connectivity.
- Battery backup.
- Speaker to receive notifications.
- Microphone to talk to (must listen from near by)
- Can be used in industrial environments.
- Lora connectivity (optional)
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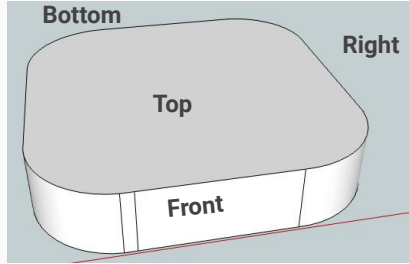
Keep in mind:

- Use cheap and quality components.
- Must pass FCC

Our PCB board



Case prototype

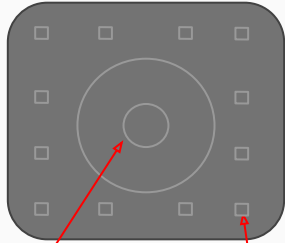


We will try to find some plastic case like this.

Android TV plastic boxes have the same shape.



Top



Front



Bottom



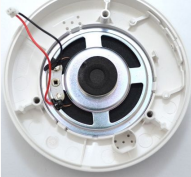
Left



Right



Inside Speaker



Inside RGB
illuminate the whole box



External components (pictures only illustrative)

DC Power Adapter
Converter Type-C USB



0.5W Speaker



Dual band Wifi Antenna
2.4 & 5.8 GHz



External battery 3.7V
(positive Right)

