UseCase BT Speaker + WiFi Speaker(Optional)

Web Camera
+
Microphone
[Lenovo
Essential FHD
Webcam
4XC1B34802]

5V 2A

3W 4ohms x 2

ESP8266-12F   PAM8403

Wi-Fi

Trigger Sources
- **Motion detection**
- **Sound detection**

USB

2.4
Ghz

2.4Ghz RF
Mouse

Raspberry Pi3

USB

Trigger Sources
- **Mouse pressing**
- **Mouse movement**

4inch Resistive Touch Screen LCD,
480×800, HDMI, IPS, Low Power
SKU: 12030
Part Number: 4inch HDMI LCD
Brand: Waveshare

BT

HDMI
GPIO

Bluetooth
Speaker

5V 2A

UseCase WiFi Speaker

Web Camera
+
Microphone
[Lenovo
Essential FHD
Webcam
4XC1B34802]

Trigger Sources
- **Motion detection**
- **Sound detection**

3W 4ohms x 2

ESP8266-12F   PAM8403

5V 2A

Wi-Fi

2.4
Ghz

2.4Ghz RF
Mouse

**Trigger Sources**
- **Mouse pressing**
- **Mouse movement**

Raspberry Pi3

USB

USB
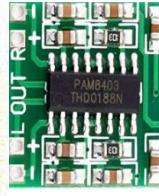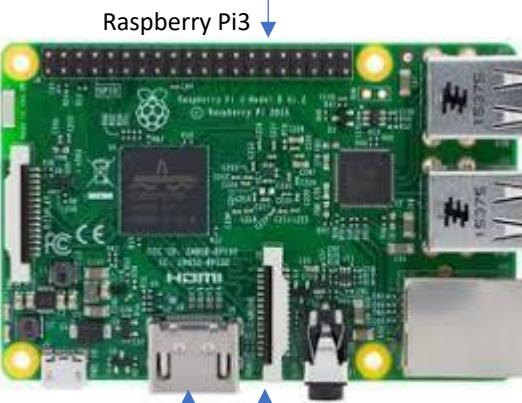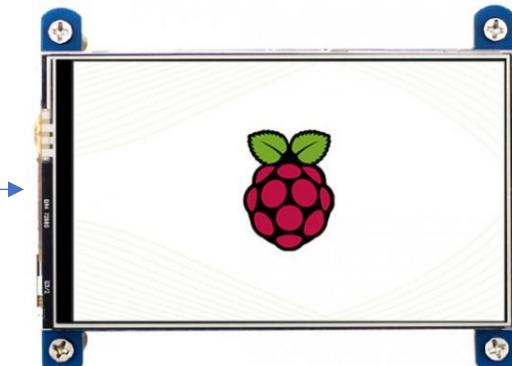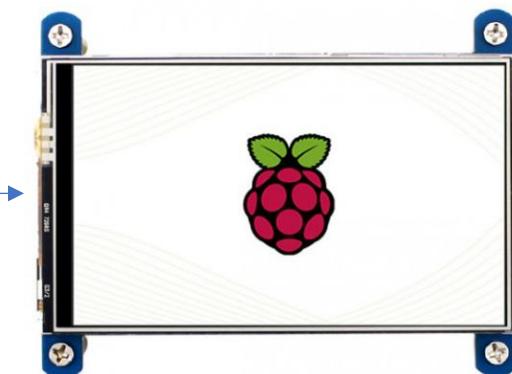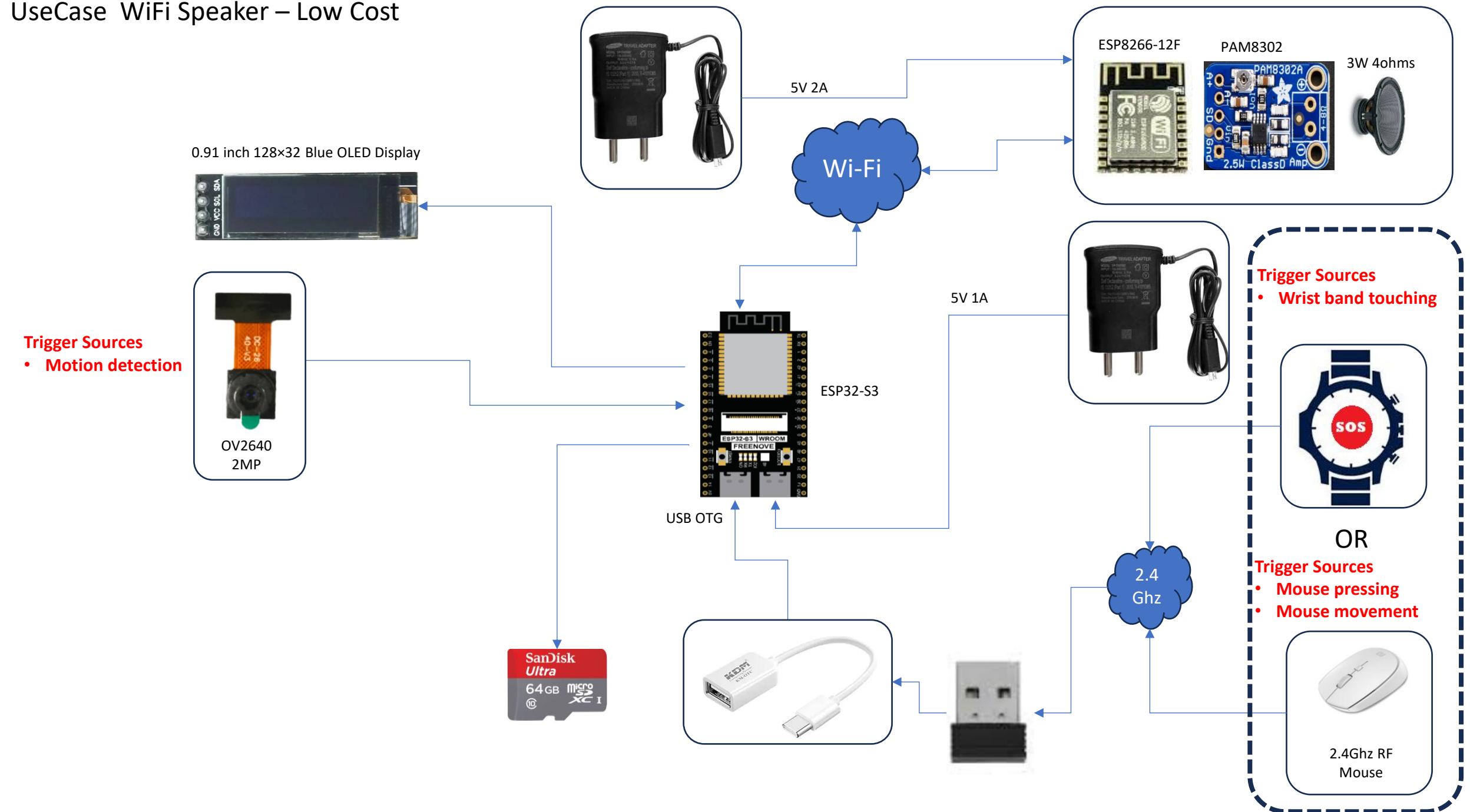
HDMI
GPIO

4inch Resistive Touch Screen LCD,
480×800, HDMI, IPS, Low Power
SKU: 12030
Part Number: 4inch HDMI LCD
Brand: Waveshare

5V 2A

UseCase WiFi Speaker – Low Cost

0.91 inch 128×32 Blue OLED Display

ESP8266-12F

PAM8302

3W 4ohms

Wi-Fi

5V 2A

Trigger Sources
- **Wrist band touching**

5V 1A

ESP32-S3

Trigger Sources
- **Motion detection**

OV2640
2MP

USB OTG

OR

Trigger Sources
- **Mouse pressing**
- **Mouse movement**

2.4
Ghz

SanDisk Ultra 64GB microSDXC

2.4Ghz RF Mouse

Use Case Wi-Fi Alarm Speaker + [Touch or Gesture or Mouse] Alarm Source + Solar-Grid-Water Level Monitoring

5V 2A

Debian 13.3 @Kiano intelect X3 HD

Web Cam

17:57:14

Live Video

Bluetooth

USB Hub

Wi-Fi

Wi-Fi

Trigger Sources
- **Wrist band touching**

SOS

OR

Trigger Sources
- **Wrist band gesture recognition**

SOS

OR

2.4 Ghz

Trigger Sources
- **Mouse pressing**
- **Mouse movement**

3W 4ohms x 2

ESP8266-12F   PAM8403

Raspberry Pi3

2.4Ghz RF Mouse

WiFi Alarm

Solar System + Water Level Monitoring