

---

# OXOBUTTON 1

## SpecSheet



---

### PRODUCT NUMBER

- AF0B11

---

### SOFTWARE

- Configuration through Bluetooth (free App)
  - Firmware over the air*
  - Configure the LoRa-Params*
  - Software modes setting*
  - Change of images*
- Customizable Firmware: on request

---

### USER INTERFACE:

- 1.6" E-Paper Display (200×200px)
- 4×2 button LEDs + 1 BLE bicolor LEDs (red and green)
- 4 User-, 1 BLE- and 1 Reset-Button
- Buzzer

---

### BLUETOOTH

- Bluetooth BLE
- Device Configuration over Bluetooth
- Picture and Text Transfer
- Firmware Over the Air (FOTA)

---

### TEMPERATURE SENSOR

- Resolution: 12 Bit
- +/- 2° C

---

### LORA

- LORAWAN V1.0.2 (REVB) CLASS A
- SX1276 Semtech
- Supported Frequencies: 868 MHz
- Adaptive Data Rate (ADR) supported

---

### APPLICATIONS

- Reorder
- Office and home automation
- Facility services
- Hoteling
- Healthcare
- Other

---

### MCU

- STM32L082
- FLASH: 192kB
- RAM: 20kB
- EEPROM: 6kB
- Clock: 32MHz and 32.768kHz

---

### OPERATION TEMPERATURE:

- >10° C and <30° C

---

### ACCELEROMETER

- Low Power Accelerometer
- Selectable Full Scale:
  - +/- 2g, +/- 4g, +/- 8g, +/- 16g
- Data Rate: 1.6 – 1600Hz
- Resolution: 16 Bit

---

### EXTERN MEMORY

- 1 MB NOR-Flash
- Memory to store up to 100 images

---

### POWER SUPPLY

- 3V CR2032 Battery (220mAh)
  - Standby-Current: < 3uA
-



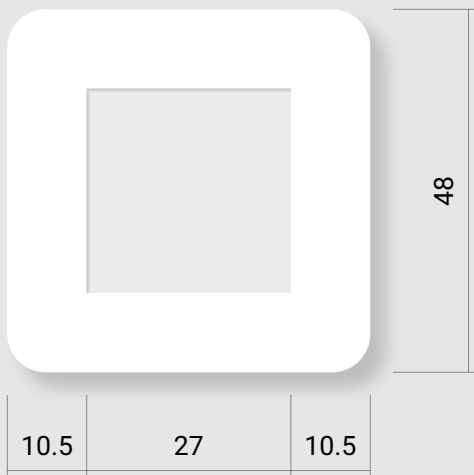
SIZE

**Dimension:** 48×48×10 mm  
**Display:** 27×27 mm

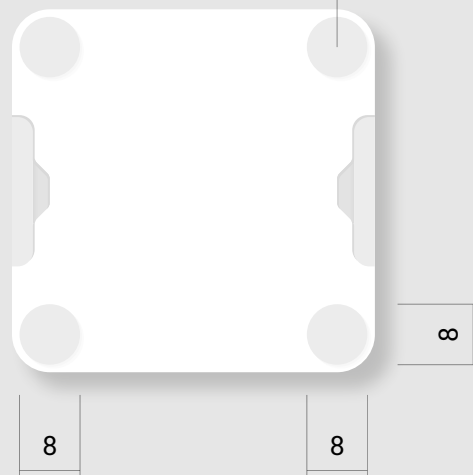
SIDE VIEW



TOP VIEW



BACKSIDE VIEW



**Attach either  
silicon pads or  
magnets**