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# OXOBUTTON 2

## SpecSheet



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### PRODUCT NUMBER

- AF0B22

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### USER INTERFACE

- 1.54" E-Paper Display (200×200px)
- 4 User and 1 Reset-Button
- Buzzer

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### BLUETOOTH

- Bluetooth LE 5.4
- Device Configuration over Bluetooth
- Firmware Over the Air update (FOTA)

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### HUMIDITY AND TEMPERATURE SENSOR

- Sensirion SHTC3
- Resolution: 16 Bit
- Accuracy:  $\pm 2\%$  RH and  $\pm 0.2\text{ }^\circ\text{C}$

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### AMBIENT LIGHT SENSOR

- Broadcom APDS-9251-001
- Resolution: 16 Bit
- High sensitivity in low lux condition
- Wide dynamic range: 18,000,000 : 1

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### LORA

- STM32WLE5CB
- Supported Frequencies: 868 MHz
- Adaptive Data Rate (ADR) supported
- LoRaWAN Link Layer(L2) v1.0.3
- LoRaWAN Regional Parameters(RP) v1.0.3

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### MCU

- STM32WB30CE
- FLASH: 512kB
- RAM: 96kB
- Clock: 32MHz and 32.768kHz

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### OPERATION TEMPERATURE:

- $>0\text{ }^\circ\text{C}$  and  $<50\text{ }^\circ\text{C}$

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### EXTERN MEMORY

- 2 MB NOR-Flash

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### POWER SUPPLY

- 3V CR2477 Battery (1000mAh)
- Optional: External power supply (5-12VDC)
- Standby-Current:  $\sim 7\mu\text{A}$

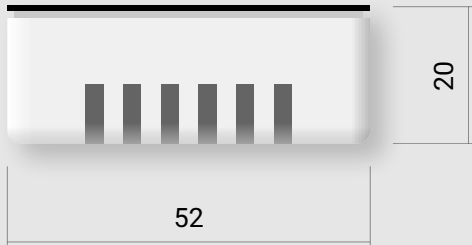


SIZE

**Dimension:** 52×52×20 mm

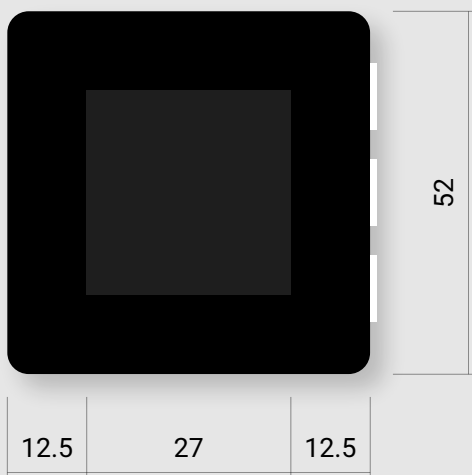
**Display:** 27×27 mm

SIDE VIEW



**The button can be attached to walls with double-sided adhesive tape.**

TOP VIEW



BACKSIDE VIEW

