
OXOBUTTON Q

(Q=QUADRATIC)

SPECSHEET



PRODUCT NUMBER

- AF0C01

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

- 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 more than 100 Images

POWER SUPPLY

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

OXOBUTTON Q

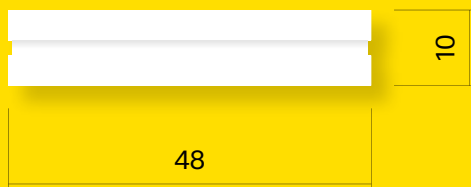
Oxon konzipiert und erstellt Hard- und Software 



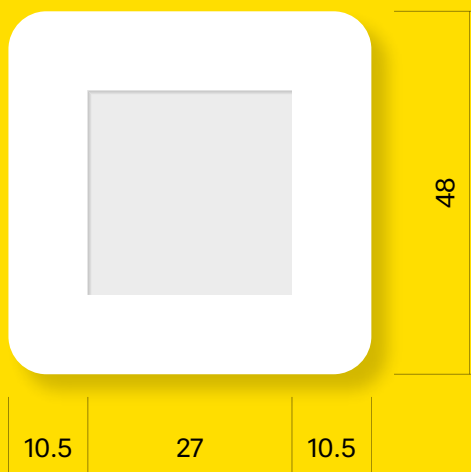
SIZE

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

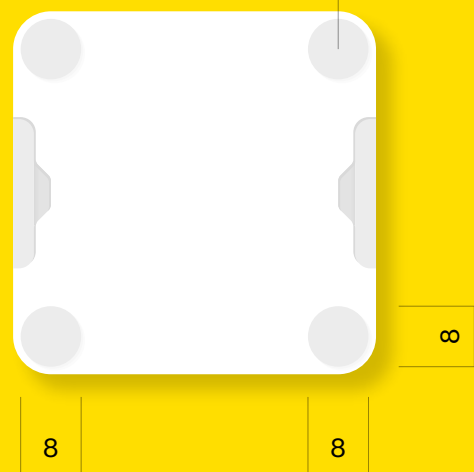
SIDE VIEW



TOP VIEW



BACKSIDE VIEW



**Attach either
silicon pads or
magnets**