miro
Click

Customizable multi-use IoT button

Multi-purpose LoRaWAN®
configurable IoT Button to support
service-on-demand use cases

Description

miro Click is a LoRaWAN® service on-demand,
remote control, emergency, or notification.

A customizable front label and its configurable
functionality supports many use cases.

It contains four integrated buttons and is con-
figured over the air either as a single-, two- or
four-button device.

miro Click is powered by two standard AAA
batteries with an expected lifetime up to 10 years.

Features

- ▶ Customizable front label
- ▶ Low power operation
- ▶ Up to 10 years of battery lifetime
- ▶ Configurable one, two, or four buttons operation
- ▶ User feedback by buzzer
- ▶ Over-the-air configuration

Applications

- ▶ Facility management services
- ▶ Industrial and home automation
- ▶ Emergency notification

Document Information

About

File name	Document type	Date	Revision
DS miro Click	Datasheet	2022-03-01	1.1

Revision history

Date	Release	Changes
2021/03/02	1.0	Initial release
2022/03/01	1.1	New design and images

Table of content

Functional Description

miro Click is a low-cost, battery powered, and fully configurable LoRaWAN® class A IoT device for various service-on-demand or notification applications. Its customizable front label allows for flexible integration into almost any use case.

The device can be configured for single, dual (upper/lower or left/right), and four-button operation. With every button press, a LoRaWAN® message is sent containing necessary information such as increasing counter and button(s) pressed. A status message is sent in a configurable interval to secure service availability.

All settings, such as button mode and status message interval, can be configured using LoRaWAN® downlink messages.

miro Click is available in a beautifully designed, high-quality plastic enclosure with different mounting options such as double-sided sticky tape or screw-on. Depending on the use case, the user can choose between clipped housing for easy battery replacement or screwed housing for improved ruggedness.

Technical Specifications

Mechanical speciafications

Weight	40 g
Dimensions	80 × 60 × 16 mm, see Figure 1, Page 5
Enclosure	Plastic, ABS, white

Operating conditions

Temperature	0 – 80 °C
Humidity	0 – 95 % RH, non-condensing

Device power supply

Battery type	Two AAA 1.5V standard batteries
Expected battery lifetime	Up to 10 years

Radio / wireless

Wireless technology	LoRaWAN® 1.0.3, 868 MHz / 915 MHz
LoRaWAN® device type	Class A
Supported LoRaWAN® features	OTAA, ADR, Adaptive Channel Setup
Maximum RX sensitivity	-137 dBm
RF transmission power	14 dBm / 20 dBm (depending on region)

Certifications

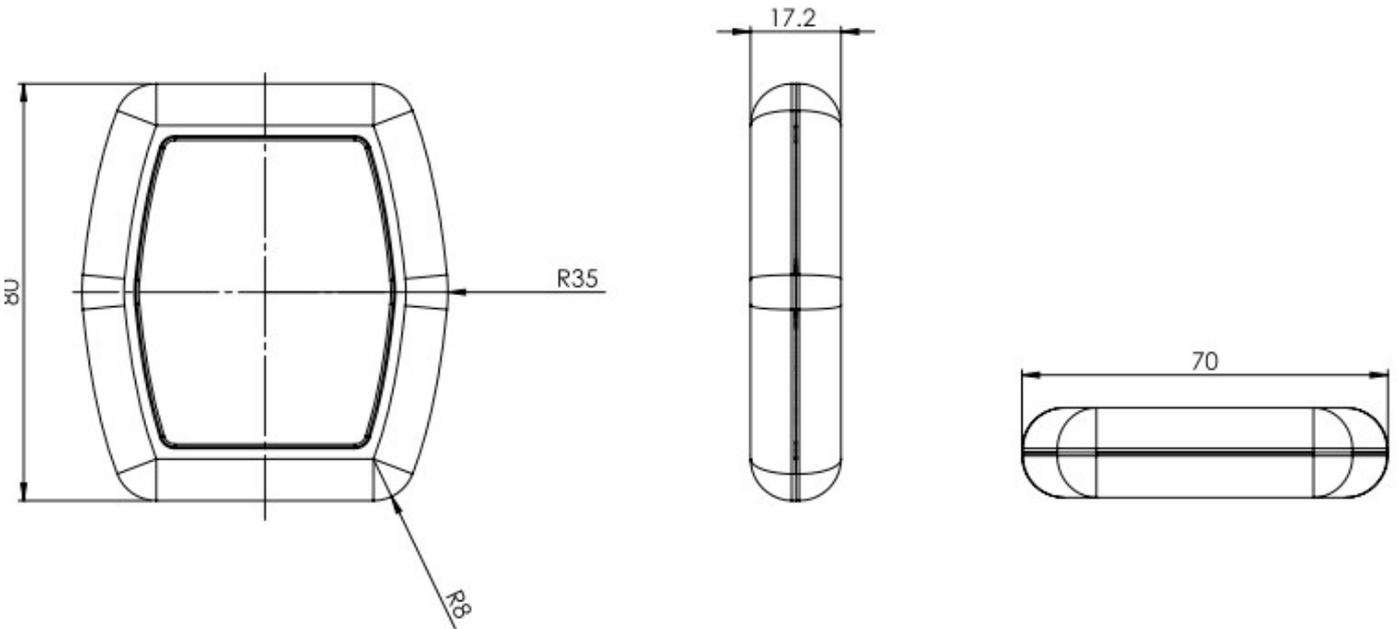|	
CE	RED 2014/53/EU
FCC	Contains FCC ID 2AUQE14DJC

Mechanical Dimensions

Figure 1: *Mechanical Dimensions in mm*

Label Design

Figure 2: *Customized labels are available upon request.*

Additional Documentation

Additional Ressources

Product information page	miromico.ch/miro-click
Technical documentation	docs.miromico.ch/miro-click
Label template	miromico.ch/templates

Device Options

Product ID	LoRaWAN® region					Options		
	EU868	US915	AS923	AU915	IN865	Clipped	Screwed	Default Labels**
IOT-BUTTON-LW/*	✓	✓	✓	✓	✓	✓		✓
IOT-BUTTON-LW/*-SCR	✓	✓	✓	✓	✓		✓	✓

*   LoRaWAN® region (e.g. EU868)

**   Default labels for 1 or 4 button configuration to be applied by customer

Keep in touch

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