

## LR 10 Click



PID: MIKROE-5986

**LR 10 Click** is a compact add-on board designed for the Internet of Things (IoT) applications requiring low power consumption and long-range connectivity. This board features the Wio-E5, a LoRa wireless module from Seeed Technology. The Wio-E5 integrates the STM32WLE5JC system-level chip and the SX126X LoRa® chip alongside an Arm® Cortex® M4 MCU, ensuring ultra-low power usage and high performance. It supports multi-mode operations, including (G)FSK and LoRa®, and can operate across a frequency range of 868 to 928MHz with robust signal strength and sensitivity. These characteristics make the LR 10 Click ideal for various IoT scenarios, such as wireless sensor networks, remote meter readings, and other applications with crucial low-power, wide-area network connectivity.

LR 10 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
ISO 14001: 2015 certification of environmental management system.  
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	LoRa,Sub-1 GHz Transceivers
Applications	Ideal for various IoT scenarios, such as wireless sensor networks, remote meter readings, and other applications with crucial low-power, wide-area network connectivity
On-board modules	Wio-E5 - LoRa® wireless module from Seeed Technology
Key Features	Long-range communication, broad frequency range, strong signal transmission, reliable reception even in challenging conditions, supports (G)FSK and LoRa® modes, embedded global LoRaWAN® protocol support and an AT command set, Boot mode button, SWD programming, and more
Interface	I2C,SPI,UART
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[LR 10 click example on Libstock](#)

[LR 10 click schematic](#)

[Wio-E5 datasheet](#)

[Wio-E5 AT Commands](#)

[LR 10 Click 2D and 3D files](#)

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