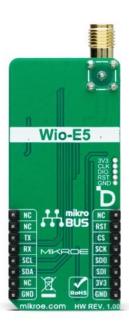


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LR 10 Click

www.mikroe.com





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.







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Specifications

Туре	LoRa,Sub-1 GHz Transceievers
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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health and safety management system.