

## BLE TX Click



PID: MIKROE-4668

**BLE TX Click** is a compact add-on board that contains a low-energy Bluetooth transmitter. This board features the AK1595, a Bluetooth 5.2 transmitter with incorporated proprietary algorithm software from AKM Semiconductor. The AK1595 transmitter simplifies wireless connectivity to a system with no need to develop complicated, proprietary microcontroller code. Bluetooth Low Energy compliant advertising transmission can be achieved by simply configuring the transmission power, data, and transmission start-trigger via the UART or I2C interface. This Click board™ is suitable for general data transmission applications such as thermometers, blood pressure monitors, weight scales, toys, pet supplies, IoT sensor nodes, and more.

BLE TX Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

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	BT/BLE
Applications	Can be used for general data transmission applications such as thermometers, blood pressure monitors, weight scales, toys, pet supplies, IoT sensor nodes, and more
On-board modules	AK1595 - low power Bluetooth 5.2 transmitter with incorporated proprietary algorithm software from AKM Semiconductor
Key Features	Low power consumption, supports BLE 5.2 transmitter functionality, high-speed responsiveness, UART/I2C interface, selectable UART baud rate, and more
Interface	I2C,UART
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[BLE TX click 2D and 3D files](#)

[AK1595 datasheet](#)

[BLE TX click schematic](#)

[BLE TX click example on Libstock](#)

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