

## BLE 9 Click



PID: MIKROE-4487

**BLE 9 Click** is a compact add-on board that provides BT/BLE connectivity for any embedded application. This board features the BGM220P, an RF performance Bluetooth Low Energy solution for IoT developers from Silicon Labs. Based on the EFR32BG22 SoC, the BGM220P enables Bluetooth Low-Energy (BLE) connectivity while delivering RF range and performance, firmware updates, enhanced security features, and low power consumption. It is optimized for wireless performance supporting Bluetooth 5.2, direction-finding, and Bluetooth Mesh Low Power Node protocols to deliver industry-leading accuracy. This Click board™ is suitable for wireless networking in applications such as portable medical, connected home, asset tags and beacons, and more.

BLE 9 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 wireless networking in applications such as portable medical, connected home, asset tags and beacons, and more.  |
| On-board modules | BGM220P, an RF performance Bluetooth Low Energy solution that provides BT/BLE connectivity for any embedded application from Silicon Labs.   |
| Key Features     | Bluetooth 5.2 Low-Energy (BLE) solution, firmware updates, enhanced security features, low power consumption, direction-finding, Bluetooth Mesh Low Power Node protocols to deliver industry-leading accuracy, and more. |
| Interface        | I2C,SPI,UART   |
| ClickID          | No   |
| Compatibility    | mikroBUS   |
| Click board size | M (42.9 x 25.4 mm)   |
| Input Voltage    | 3.3V   |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[BLE 9 click 2D and 3D files](#)

[BGM220P datasheet](#)

[BLE 9 click schematic](#)

[BLE 9 click example on Libstock](#)

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