

## WiFi 11 Click



PID: MIKROE-4245

WiFi 11 Click is a compact add-on board that contains a WiFi and Bluetooth module that has dual bands for WiFi communication. This board features the BW16, a low-power dual bands Wireless LAN (WLAN) and Bluetooth Low Energy SoC module from Shenzhen B&T Technologies Co., Ltd. This module supports the WiFi 5G and Bluetooth Low Energy 5.0, it consists of a high-performance MCU on a module named KM4, a low power MCU named KM0, WLAN (802.11 a/b/g/n) MAC, a 1T1R capable WLAN baseband, RF, Bluetooth, and peripherals. An inner antenna and many interfaces are available in this WiFi and Bluetooth module. This Click board™ is suitable for industrial wireless control, Bluetooth gateway, security ID tags, smart home applications, and many more.

WiFi 11 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.

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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	WiFi
Applications	Can be used for industrial wireless control, Bluetooth gateway, security ID tags, smart home applications, and many more.
On-board modules	WiFi 11 Click is based on the BW16, a low-power dual bands Wireless LAN (WLAN) and Bluetooth Low Energy SoC module from Ai-Thinker.
Key Features	Ultra-low power consumption, support low-power Tx/Rx for short-range applications, support BLE, supported TrustZone-M and Secure boot, eFuse protection, and more.
Interface	I2C,SPI,UART
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

[WiFi 11 click example on Libstock](#)

[WiFi 11 click 2D and 3D files](#)

[WiFi 11 click schematic](#)

[BW16 datasheet](#)

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