

## 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.

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,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
ClickID	No
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](#)

[BW16 AT command guide](#)

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