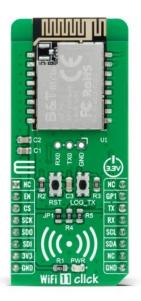MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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# WiFi 11 Click



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).

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# 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