

WiFi 8 Click



PID: MIKROE-4704

WiFi 8 Click is a compact add-on board that contains a wireless combo module. This board features the [ATWINC3400-MR210CA](#), wireless a Bluetooth 5.0 certified module optimized for low power and high-performance mobile applications from [Microchip Technology](#). This module comes with integrated power and low-noise amplifiers, transmit/receive switch (for WiFi and Bluetooth), a power management unit, an integrated 2.4GHz chip antenna, and an additional 32.768 kHz clock for Sleep operation. It utilizes highly optimized IEEE 802.11 Bluetooth coexistence protocols and provides Serial Peripheral Interface to interface with the host controller. This Click board™ is suitable for highly integrated and cost-effective applications, industrial wireless control, Bluetooth gateway, smart home applications, and many more.

WiFi 8 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 highly integrated and cost-effective applications, industrial wireless control, Bluetooth gateway, smart home applications, and many more.
On-board modules	ATWINC3400-MR210CA - RF/Baseband/Medium Access Control (MAC) network controller (Bluetooth 5.0 certified module) optimized for low power and high-performance mobile applications from Microchip Technology
Key Features	IEEE 802.11 RF/PHY/MAC, simultaneous use of both Bluetooth Low Energy and WiFi, integrated 2.4GHz chip antenna, superior sensitivity and range, SPI host interface with UART/I2C for debug, and more.
Interface	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 8 click 2D and 3D files](#)
[ATWINC3400-MR210CA datasheet](#)
[WiFi 8 click schematic](#)
[WiFi 8 click example on Libstock](#)

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