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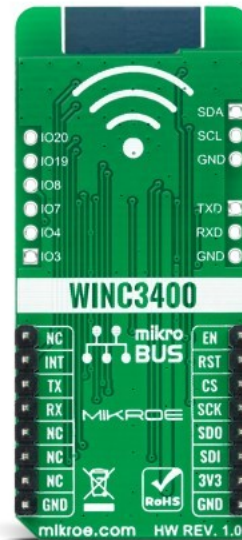www.mikroe.com

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.

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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