

IoT ExpressLink Click



PID: MIKROE-5800

IoT ExpressLink Click is a compact add-on board that allows users to easily connected to IoT ExpressLink services and securely interact with cloud applications and other devices. This board features the [ESP32-C3-MINI-1-N4-A](#), a small 2.4GHz WiFi (802.11 b/g/n) and Bluetooth® 5 module from [Espressif Systems](#) that use ESP32C3 series of SoC RISC-V single-core microprocessor (ESP32-C3FN4) with 4MB flash in a single chip package. The module uses UART communication alongside several other features like the JTAG interface, module wake-up, various operational event detection, additional UART for debugging, and others. The rich set of ESP32C3's features makes this Click board™ ideal for smart homes, industrial automation, health care, consumer electronics, and many more.

IoT ExpressLink 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	WiFi
Applications	Can be used for smart homes, industrial automation, health care, consumer electronics, and generic IoT sensor hubs and data logger applications
On-board modules	ESP32-C3-MINI-1-N4-A - WiFi and Bluetooth® 5 LE combo module from Espressif Systems
Key Features	Easily connected to IoT ExpressLink services, 2.4GHz WiFi and Bluetooth® 5 combo, 4MB flash in a single chip package, UART-based control or via demo application, additional functionality like module wake-up, JTAG interface, UART pins for debugging, GPIOs, and more
Interface	UART
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[IoT ExpressLink click example on Libstock](#)

[IoT ExpressLink click schematic](#)

[ESP32-C3-MINI-1-N4-A datasheet](#)

[IoT ExpressLink click 2D and 3D files](#)

[IoT ExpressLink Click manual](#)

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