

BLE 12 Click



PID: MIKROE-4874

BLE 12 Click is a compact add-on board that provides BT/BLE connectivity for any embedded application. This board features the [BM832A](#), a powerful and highly flexible, ultra low power Bluetooth Low Energy (BLE) module from Fanstel. Based on the Nordic nRF52 SoC, the BM832A supports Bluetooth 5.0 Low-Energy (BLE) connectivity while delivering RF range and performance, debugging and enhanced security features, and low power consumption. It also comes with an ARM Cortex™ M4(F) MCU up to 192kB flash and 24kB RAM, embedded 2.4GHz multi-protocol transceiver, and an integrated PCB trace antenna. This Click board™ is suitable for low-cost Bluetooth low energy applications such as building automation and sensor networks, portable medical, connected home, and more.

BLE 12 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
Applications	Can be used for low-cost Bluetooth low energy applications such as building automation and sensor networks, portable medical, connected home, and more
On-board modules	BM832A - highly flexible, ultra low power Bluetooth module that provides BLE connectivity for any embedded application from Fanstel Corp
Key Features	Bluetooth 5.0 Low-Energy (BLE) solution, complete RF solution with integrated antenna, SWD debug interface, enhanced security features, low power consumption, selectable interface, and more
Interface	SPI,UART
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

[BLE 12 click 2D and 3D files](#)

[BM832A datasheet](#)

[BLE 12 click schematic](#)

[BLE 12 click example on Libstock](#)

[BM832A AT commands](#)

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