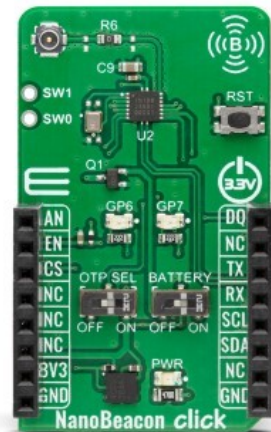# NanoBeacon Click

PID: MIKROE-5794

NanoBeacon Click is a compact add-on board that provides a powerful and efficient Bluetooth beacon solution. This board features the IN100, an ultra-low power Bluetooth 5.3 Beacon SoC from InPlay, that sets a new standard in beacon technology. Its ultra-low power consumption, enhanced privacy mode, and three beacon modes offer seamless compatibility with no Bluetooth programming required - plug and play. Its compact design houses two types of built-in memory (4Kb OTP and 4KB SRAM), UART and I2C interfaces, and a hardware security engine. With its versatile features, this Click board™ opens up a world of possibilities for various applications such as standalone retail beacon setups, asset tracking, real-time location systems (RTLS), active RFID, wireless industrial applications, and many more.

NanoBeacon 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.

Specifications

Type	BT/BLE
Applications	Can be used as a standalone retail beacon setups, asset tracking, real-time location systems (RTLS), active RFID, wireless industrial applications, and more
On-board modules	IN100 - ultra-low power Bluetooth 5.3 Beacon SoC from InPlay
Key Features	Bluetooth Low Energy 5.3 compliant, three beacon modes, ease of use, two types of memory (OTP and SRAM), low-power mode advertising, RF radio, low power consumption, UART and I2C interface, security and privacy, and more
Interface	Analog,I2C,UART
ClickID	Yes
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

NanoBeacon click example on Libstock

IN100 datasheet

NanoBeacon click 2D and 3D files

NanoBeacon click schematic