NB IoT 5 Click

PID: MIKROE-4472

NB IoT 5 Click is a compact add-on board suitable as narrow-band Internet of Things universal wireless communication solution. This board features the OT01-5, a high-performance NB-IoT module with ultra-low power consumption allowing battery life of about ten years from Notion. It supports a broad range of frequency bands almost worldwide. It provides serial interfaces, UART and SPI, with protocol stacks such as UDP/TCP, CoAP, LWM2M, and others. It is offering an alternative to similar Low Power Wide Area Network (LPWAN) solutions. This Click board™ is suitable for a wide range of IoT applications such as smart gas/water meters, information collection, security monitoring, smart city/home, and other applications.

NB IoT 5 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	LTE IoT
Applications	Can be used for a wide range of IoT applications such as smart gas/water meters, information collection, security monitoring, smart city/home, and other applications
On-board modules	OT01-5 - high-performance narrow-band Internet of Things universal wireless communication module with extremely low power consumption allowing battery life of about ten years from Notion
Key Features	Ultra-low power consumption, high performance, broad range of frequency bands, motor driver inside-design, certified for global operation, and more.
Interface	SPI,UART,USB
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[NB IoT 5 click 2D and 3D files](#)

[OT01-5 datasheet](#)

[TXS0108E datasheet](#)

[NB IoT 5 click schematic](#)

[NB IoT 5 click example on Libstock](#)