

5G NB IoT click



PID: MIKROE-4034

5G NB IoT Click is a Click board™ based on [Thales](#) ENS22 NB-IoT Wireless Module platform that boosts highly efficient future 5G connectivity for the IoT. The 5G NB IoT click combines single mode NB-IoT connectivity with extreme power efficiency, extended coverage range and advanced security features providing steadfast reliability for data only solutions. The module offers built-in internet services, protected by an enhanced security concept.

5G NB IoT Click board™ 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	LTE IoT
Applications	5G NB IoT click is ideal for stationary IoT applications that send data only at intermittent intervals such as metering and smart city applications
On-board modules	ENS22
Key Features	Optimized specifically for IoT applications, Five Band LTE (3, 5, 8, 20, 28) connectivity with deep indoor coverage and extended range in rural areas, a built-in IP stack which supports a range of internet services protected by an enhanced security concept
Interface	UART,GPIO
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

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

[M2M ENS22 datasheet](#)

[5G NB IoT click schematic](#)

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

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