

LTE IoT 3 Click



PID: MIKROE-4118

LTE IoT 3 Click is a compact add-on board that contains a Low Power Wide Area (LPWA) Wireless IoT module that allows connections to the LTE CAT-M1, CAT NB1/2, and 2G networks. This board features the [EXS82-W](#), LTE-IoT Wireless Module from [Thales](#) that offers a rich set of Internet protocols and industry-standard interfaces such as UART, USB, etc. Global IoT connectivity, integrated GNSS support, SMS support, extended coverage range, and reduced power consumption makes this single IoT module an excellent choice for device makers while ensuring worldwide reliability. This Click board™ is fitting for small, battery-operated devices in remote locations such as smart meters, asset trackers, healthcare apps, wearables, smart city solutions, and many more.

LTE IoT 3 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	LTE IoT,GPS+GNSS
Applications	Can be used for small, battery-operated devices in remote locations such as smart meters, asset trackers, healthcare apps, wearables, smart city solutions, and many more.
On-board modules	LTE IoT 3 Click is based on the EXS82-W, a Low Power Wide Area (LPWA) Wireless IoT module that allows connections to the LTE CAT-M1, CAT NB1/2, and 2G networks from Thales.
Key Features	Power saving modes, LTE bands that allows multiple regions coverage, dual SMA antenna connectors, USB connectivity, visual network and status indication, and more
Interface	UART,USB
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

[FT230X datasheet](#)

[EXS82 datasheet](#)

[SN74LVC1T45 datasheet](#)

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

[LTE IoT 3 click example on Libstock](#)

[LTE IoT 3 click schematic](#)

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