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LTE IoT 2 Click

PID: MIKROE-3144

LTE IoT 2 click is a Click board™ that allows connection to the LTE networks, featuring Quectel BG96 LTE module, which offers two LTE technologies aimed at Machine to Machine communication (M2M) and Internet of Things (IoT). This module is an embedded IoT communication solution which supports the LTE Cat M1 and NB1 technologies, offering an alternative to similar Low Power Wide Area Network (LPWAN) solutions, such as the ones provided by Sigfox and LoRa. The LTE CAT1 and NB1 technologies are designed with specific requirements of the IoT network in mind. LTE IoT 2 click also offers various other features, allowing simple and reliable connection to these new 3GPP IoT technologies.

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Specifications

Type	GPS/GNSS,LTE IoT
Applications	Used for smart metering, IoT networking, remote monitoring automation and control (RMAC), and other IoT / M2M applications which rely on a cellular network connection
On-board modules	BGE96, a LTE CAT M1 / NB1 / EGPRS module, from Quectel; MCP1826, a 1A low drop output (LDO) regulator from Microchip; TXB0106, a 6bit bidirectional level shifter from Texas Instruments
Key Features	Embedded TCP/UDP/PPP stack, CAT NB and CAT M1 technologies support, enabled for all regions, aimed at M2M and IoT applications, 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 or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Quectel BG96 LTE Specification](#)

[LTE IoT 2 Click schematic](#)

[LTE IoT 2 click example on Libstock](#)

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

[LTE IoT 2 click 2D file](#)

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).