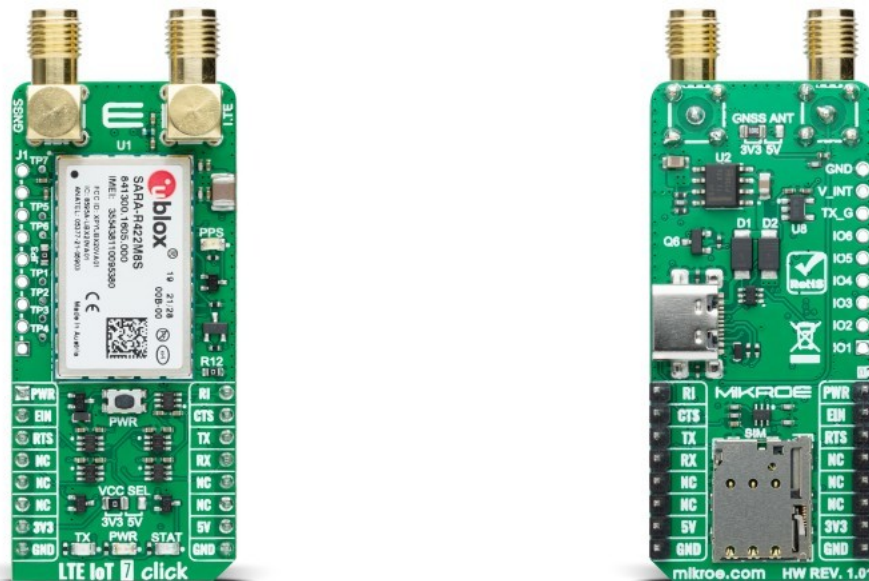


LTE IoT 7 Click



PID: MIKROE-5290

LTE IoT 7 Click is an add-on board representing a secure-cloud multi-band solution designed for IoT applications. This board features the [SARA-R422M8S](#), a multi-band LTE-M/NB-IoT/EGPRS multi-mode solution with integrated high-performance standard precision M8 GNSS receiver for global position acquisition from [u-blox](#). Equipped with familiar AT commands set over the UART interface, USB interface, and Network and Status indicators, it also provides over-the-air firmware updates, end-to-end trusted domain security, and u-Blox's leading GNSS technology. This Click board™ is ideal for mission-critical IoT applications, as they include a unique and immutable root-of-trust, such as connected healthcare, industrial monitoring, point of sale and vending terminals, and many more.

LTE IoT 7 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	GPS/GNSS,LTE IoT
Applications	Can be used for mission-critical IoT applications, as they include a unique and immutable root-of-trust, such as connected healthcare, industrial monitoring, point of sale and vending terminals, and many more
On-board modules	SARA-R422M8S - multi-band LTE-M/NB-IoT/EGPRS multi-mode cellular module from u-blox
Key Features	End-to-end security with root of trust, integrated u-blox M10 GNSS receiver and CloudLocate, software-based configurability, simultaneous LTE communication with GNSS positioning, power efficient, global coverage, supporting a comprehensive set of 3GPP Rel. 14 features, over-the-air firmware updates, and more
Interface	GPIO,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

[LTE IoT 7 click example on Libstock](#)

[TPS7A7002 datasheet](#)

[LTE IoT 7 click 2D and 3D files](#)

[SARA-R422M8S datasheet](#)

[LTE IoT 7 click schematic](#)

[SARA-R422 AT commands](#)

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