

4G LTE 2 Click - Voice (for North America)



PID: MIKROE-5822

4G LTE 2 Click - Voice (for North America) is a compact add-on board representing a secure-cloud multi-band solution offering universal connectivity and reliable performance. This board features the [LARA-R6401](#), an ideal LTE Cat 1 solution for North America from [u-blox](#), supporting all relevant LTE bands for use on AT&T, FirstNet, Verizon, or T-Mobile mobile networks in single SKU for the North American market. Equipped with familiar AT commands set over the UART interface, USB interface, and Network and Status indicators, the LARA-R6401 also has a comprehensive certification scheme and multi-band/multi-mode capabilities providing excellent flexibility alongside the support of voice/audio application. Taking advantage of embedded IoT protocols and security features, this Click board™ is suitable for various applications, such as device management, remote device actions, and secure FOTA updates.

4G LTE 2 Click - Voice (for North America) 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	2G GPRS,3G UMTS,4G LTE
Applications	Can be used for device management, remote device actions, and secure FOTA updates
On-board modules	LARA-R6401 - LTE Cat 1 module for the North American market from u-blox
Radio Region	North America
Key Features	Supporting all relevant LTE bands for use on AT&T, FirstNet, Verizon, or T-Mobile mobile networks, for North American market, multi-mode, secure cloud, support of voice/audio applications, MNO certifications, professional grade, compatible with u-blox services, various interfaces, and more
Interface	I2C,UART,USB
ClickID	No
Compatibility	mikroBUS
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[4G LTE 2 Click - Voice \(for US\) schematic](#)

[LARA-R6401 datasheet](#)

[LARA-R6 AT Commands](#)

[4G LTE 2 Click - Voice \(for US\) 2D and 3D files](#)

[4G LTE 2 Click - Voice \(for US\) example on Libstock](#)

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