

LTE Cat.1-US Click (for United States)



PID: MIKROE-3885

LTE Cat.1-US Click is a compact add-on board containing a low-power LTE-IoT connectivity solution. This board features the [ELS61](#) (ELS61-US), a multi-band wireless module from [Thales](#). The ELS61-US delivers highly efficient Cat 1 LTE connectivity for M2M IoT solutions offering seamless fallback to 2G and 3G networks. The best in the class solution enables M2M optimized speeds of 10Mbit/s download and 5Mbit/s uplink, making it ideal for many M2M and industrial IoT applications. These applications are not dependent on speed but require the longevity of LTE networks while still providing 3G and 2G connectivity to ensure total population and geographic coverage as LTE rolls out.

LTE Cat.1-US 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	2G GPRS,3G UMTS,4G LTE,GSM/LTE
Applications	Metering, tracking and tracing, remote surveillance, connected signs, fleet management and mHealth
On-board modules	ELS61-US - multi-band wireless module from Thales
Radio Region	America
Key Features	Data rates of up to 10.2 Mb/s for download and up to 5.2 Mb/s for upload, real time clock with alarm functionality
Interface	GPIO,I2C,SPI,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

[ELS61 datasheet](#)

[LTE Cat.1-US click \(for United States\) example on Libstock](#)

[LTE Cat.1-US click \(for United States\) 2D and 3D files](#)

[LTE Cat.1-US click \(for United States\) schematic](#)

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