MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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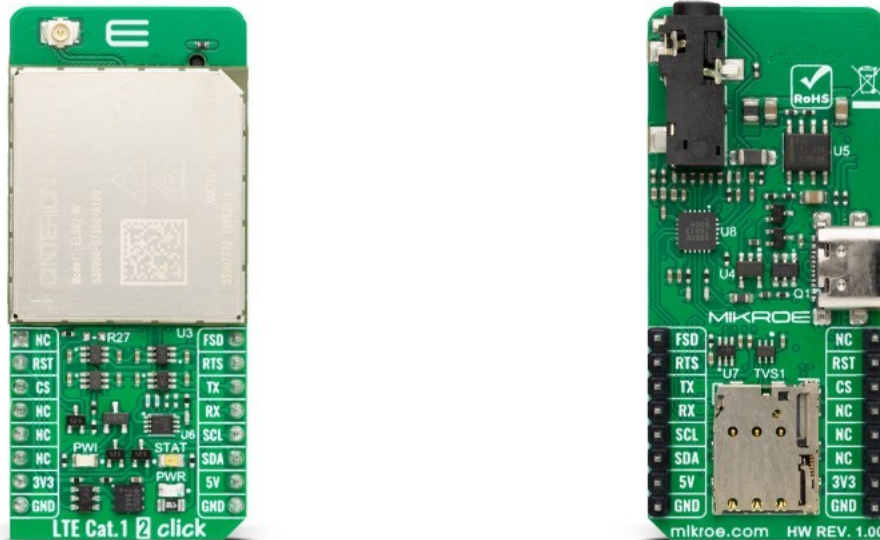www.mikroe.com

LTE Cat.1 2 Click (for EU)

PID: MIKROE-5906

LTE Cat.1 2 Click (EU) is a compact add-on board that provides your application with complete LTE and VoLTE with CSFB functionalities. This board features the ELS62-E, a single antenna LTE cat.1bis module from Thales. The module offers a 3GPP Rel.13 compliant protocol, digital audio interface, dual UICC/U/SIM card interface, and more. Besides, it also has a u.Fl connector to connect an appropriate antenna, which MIKROE offers. This Click board™ makes the perfect solution for the development of communication devices, both for home and industrial applications, remote device actions, and more.

LTE Cat.1 2 Click (EU) is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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Specifications

Type	4G LTE,GSM/LTE
Applications	Can be used for the development of communication devices, both for home and industrial applications, remote device actions, and more
On-board modules	ELS62-E - single antenna LTE Cat. 1bis module from Thales
Key Features	Support GSM, GPRS, EGPRS, LTE frequency bands, point-to-point MT and MO, cell broadcast, text and PDU mode, SIM card plus SMS location storage, AT commands, USB firmware upgrade, audio DAI interface, UICC, SIM, USIM interface, and more
Interface	I2C,UART
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

ClickID

Downloads

PCA9306 datasheet

TPS7A7002 datasheet

AP2112 datasheet

MAX9860 datasheet

LTE Cat.1 2 Click (for EU) example on Libstock

LTE Cat.1 2 Click (for EU) click 2D and 3D files

LTE Cat.1 2 click schematic

ELS62-E datasheet