

GSM 5 Click



PID: MIKROE-5124

GSM 5 Click is a compact add-on board representing a compact GSM cellular network communication solution. This board features the SARA-G450, a GSM/GPRS quad-band cellular module certified and approved by the main regulatory bodies and operators from u-blox. It features class 12 GSM/GPRS connectivity in the popular u-blox SARA form factor and comes with a comprehensive feature set, including an extensive set of internet protocols designed to provide fully integrated access to u-blox GNSS positioning with embedded A-GPS (AssistNow Online and AssistNow Offline) functionality. Besides a data rate up to 85.6 kbps and an advanced jamming detection feature, this board also offers a high-quality integrated audio interface allowing voice communication. This Click board™ is suitable for price-to-performance 2G cellular module M2M applications, such as utility metering and tracking systems.

GSM 5 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	GSM/LTE
Applications	Can be used for 2G cellular module M2M applications such as utility metering and tracking systems
On-board modules	SARA-G450 - quad-band 2.5G GSM/GPRS module from u-blox
Key Features	Industry proven SARA form factor, optimized power consumption for IoT applications, GPRS class 12, standard grade, global region, audio and SIM interfaces, jamming detection, 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

[GSM 5 click example on Libstock](#)
[GSM 5 click 2D and 3D files](#)
[TPS7A7002 datasheet](#)
[FT230X datasheet](#)
[SARA-G450 datasheet](#)
[AT Commands](#)
[GSM 5 click schematic](#)

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