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GSM 5 Click

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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 $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $^{\mathsf{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$ 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.







health and safety management system.



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Specifications

Туре	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

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

GSM 5 click example on Libstock

GSM 5 click 2D and 3D files

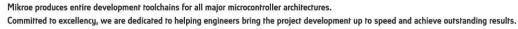
TPS7A7002 datasheet

FT230X datasheet

SARA-G450 datasheet

AT Commands

GSM 5 click schematic







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