

UART MUX 2 Click



PID: MIKROE-4494

UART MUX 2 Click is a compact add-on board that enables pseudo-multidrop RS232 transmission. This board features the [MAX399](#), a precise CMOS analog multiplexer that allows four remote RS-232 transceivers to share a single UART from [Analog Devices](#). It offers fast switching speeds with a transition time of less than 250ns and low on-resistance less than 100Ω while retains CMOS-logic input compatibility and fast switching. Channel selection is performed through a set of specific GPIO pins and possesses additional functionality such as the manual ON/OFF feature. This Click board™ is suitable for a wide range of applications, from industrial and instrumentation to a consumer, communications, data-acquisition systems, and many more.

UART MUX 2 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	RS232
Applications	Can be used for a wide range of applications, from industrial and instrumentation to a consumer, communications, data-acquisition systems, and many more.
On-board modules	MAX399 - precise CMOS analog multiplexer that enables pseudo-multidrop RS232 transmission from Maxim Integrated MAX3221 - RS232 line driver and receiver from Texas Instruments
Key Features	Low power consumption, high precision, rail-to-rail signal handling, operates up to 250 kbps, power-down feature, valid RS232 signal indicator, and more.
Interface	UART
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[MAX399 dataheet](#)

[MAX3221 datasheet](#)

[UART MUX 2 click 2D and 3D files](#)

[UART MUX 2 click schematic](#)

[UART MUX 2 click example on Libstock](#)

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