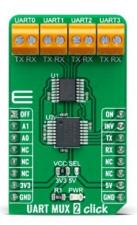
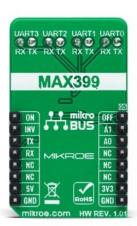


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UART MUX 2 Click





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





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Specifications

| Туре | Port expander,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 precission, rail- to-rail signal handling, operates up to 250 kbps, power-down feature, valid RS232 signal indicator, and more. |
| Interface | UART |
| ClickID | No |
| 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 datahseet

MAX3221 datasheet

UART MUX 2 click 2D and 3D files

UART MUX 2 click schematic

UART MUX 2 click example on Libstock

