

RS232 SPI Click



PID: MIKROE-3912

RS232 SPI click is based around the MAX3100, a universal asynchronous receiver transmitter (UART) - the first UART specifically optimized for small microcontroller-based systems, from Maxim Integrated. Because of the features contained in its modules, the RS232 SPI click can be used for handheld instruments, small networks in HVAC or Building control, UART in SPI systems, battery-powered systems, PDAs, notebooks and many more.

RS232 SPI Click board™ 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	Handheld instruments, UART in SPI systems, small networks in HVAC or Building control, battery-powered systems, PDAs, notebooks and many more
On-board modules	MAX3100 MAX3100 serves as UART interface to the SPI/MICROWIRE compatible interface converter from Maxim Integrated; MAX3232, a 3-V to 5.5-V Multichannel RS-232 Line Driver/Receiver from Texas Instruments
Key Features	Operates up to 250 kbit/s, Operates With 3-V to 5.5-V VCC Supply, RS-232 Bus-Terminal ESD Protection Exceeds ± 15 kV Using Human-Body Model (HBM)
Interface	SPI
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

[RS232 SPI click example on Libstock](#)

[RS232 SPI click 2D and 3D files](#)

[MAX3232 datasheet](#)

[RS232 SPI click schematic](#)

[MAX3100 datasheet](#)

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