

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

# RS232 SPI Click





PID: MIKROE-3912

**RS232 SPI click** is based around the MAX3100, a universal 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 $^{\text{m}}$  is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board $^{\text{m}}$  comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{m}}$  socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

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## **Specifications**

Туре	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**

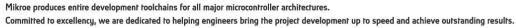
RS232 SPI click example on Libstock

RS232 SPI click 2D and 3D files

MAX3232 datasheet

RS232 SPI click schematic

MAX3100 datasheet







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