

USB SPI Click



PID: MIKROE-1204

USB SPI Click is a compact add-on board with a general-purpose USB to an SPI protocol converter. This board features the MCP2210, a USB-to-SPI Master converter that enables USB connectivity in applications with an SPI interface from Microchip. The MCP2210 has a full-speed USB 2.0 compliant controller supporting all four SPI modes with bit rates up to 12Mbps. It is also supported by most operating systems (Windows, Linux, and Mac), and enumerated as a Human Interface Device (HID), so all the other functionalities can be controlled and configured. This Click board™ is suitable for SPI-based designs for serial data transfer and analysis and many other USB functions.

USB SPI 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	USB
Applications	Can be used for SPI-based designs for serial data transfer and analysis and many other USB functions
On-board modules	MCP2210 - USB-to-SPI Master converter from Microchip
Key Features	Low power consumption, supports Full-Speed USB (12Mb/s). USB 2.0 compliant, GPIO pins with additional features, 256-bytes of user EEPROM (accessible through certain USB commands), and more
Interface	GPIO,SPI,USB
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[USB SPI click example on Libstock](#)

[USB SPI Click User Manual](#)

[MCP2210 datasheet](#)

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

[AP7331 datasheet](#)

[USB SPI Click schematic](#)

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