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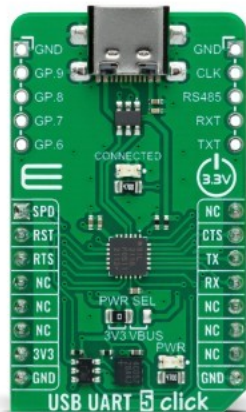www.mikroe.com

USB UART 5 Click

PID: MIKROE-5574

USB UART 5 Click is a compact add-on board with a general-purpose USB to UART serial interface. This board features the CP2110, a highly-integrated USB-to-UART bridge controller from Silicon Labs. The CP2110 uses the standard USB HID device class, requiring no custom driver and a UART interface that implements all RS-232 signals, including control and hardware handshaking, so existing system firmware does not need to be modified. The UART capabilities of the CP2110 also include baud rate support from 300 to 1Mbps, hardware flow control, RS-485 support, and GPIO signals that are user-defined for status and control information. This Click board™ is designed to quickly add a USB 2.0 full-speed compliant UART interface for custom applications.

USB UART 5 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.

Specifications

Type	USB
Applications	Can be used to quickly add a USB 2.0 full-speed compliant UART interface for custom applications
On-board modules	CP2110 - USB-to-UART bridge controller from Silicon Labs
Key Features	HID interface USB to UART data transfer, full speed USB 2.0-compliant, standard USB class device that requires no custom driver, Self or USB powered configuration, UART flow control, various data formats and baud rates, RS-485 mode with bus transceiver control, Suspend mode, GPIO interface, and more
Interface	UART,USB
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

[USB UART 5 click example on Libstock](#)

[USB UART 5 click 2D and 3D files](#)

[CP2110 datasheet](#)

[USB UART 5 click schematic](#)