MIKROE
Time-saving embedded tools

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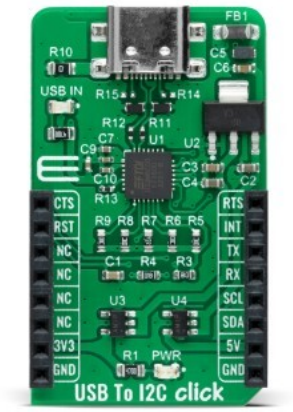
USB to I2C Click



PID: MIKROE-5312

USB to I2C Click is an adapter add-on board with a general-purpose USB master to I2C/UART serial interface. This board features the FT260 from FTDI, an interface device controller that provides a bridge between standard USB Human Interface Device (HID) class drivers and an I2C or UART slave devices. The FT260 is highly-integrated with a USB 2.0-compliant full-speed (12Mbps) transceiver, oscillator, LDO regulator, and on-chip eFUSE. It is supported by most operating systems where a custom driver is not required. With the possibility of use as a standalone device, this Click board™ provides an ideal, fast-to-implement bridge between USB and either UART or I2C peripherals.

USB to I2C 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.

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Specifications

Type	USB
Applications	Can be used as a bridge between USB and either UART or I2C peripherals
On-board modules	FT260 - USB device that supports I2C and UART communication through standard USB HID class interfaces from FTDI
Key Features	Full speed HID class USB device, USB2.0 compliant with entire USB protocol handled on the chip, supported by most operation systems, custom driver is not required, I2C Master interface, standalone operation, and more
Interface	I2C,UART,USB
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

TLV1117 datasheet

MAX40200 datasheet

FT260 datasheet

USB to I2C click 2D and 3D files

USB to I2C click schematic