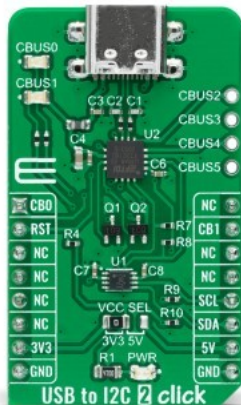


USB to I2C 2 Click



PID: MIKROE-5065

USB to I2C 2 Click is a compact add-on board that contains a general-purpose USB to I2C serial interface. This board features the FT201X, a full-speed USB to I2C protocol converter from FTDI. The FT201X converts USB2.0 full-speed to an I2C serial interface capable of operating up to 3.4MBit/s, with low power consumption (typical 8mA). The entire USB protocol is handled on the chip itself, where no USB-specific firmware programming is required. It also has a fully-integrated 2048 byte Multi-Time-Programmable (MTP) memory for storing device descriptors and CBUS I/O user-desirable configuration. This Click board™ includes the complete FT-X series feature set and enables USB to be added into a system design quickly and easily over an I2C interface.

USB to I2C 2 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	This Click board™ includes the complete FT-X series feature set and enables USB to be added into a system design quickly and easily over an I2C interface
On-board modules	FT201X - full-speed USB to I2C protocol converter from FTDI
Key Features	USB 2.0 full-speed compatible, entire USB protocol handled on the chip, integrated 2048 byte MTP memory, configurable CBUS I/O pins, and more
Interface	I2C,USB
ClickID	No
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

[PCA9306 datasheet](#)
[FT201X datasheet](#)
[USB to I2C 2 click example on Libstock](#)
[USB to I2C 2 click schematic](#)
[USB to I2C 2 click 2D and 3D files](#)

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).