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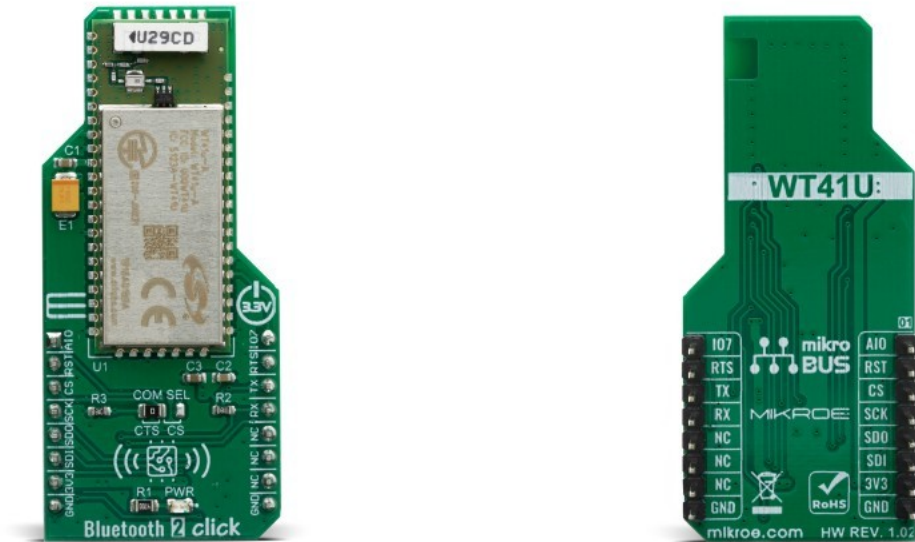www.mikroe.com

Bluetooth 2 Click

PID: MIKROE-4087

Bluetooth 2 Click features WT41u, a long range class 1, Bluetooth® 2.1 + EDR module. WT41u is a highly integrated and sophisticated Bluetooth® module, containing all the necessary elements from Bluetooth® radio and a fully implemented protocol stack. Therefore WT41u provides an ideal solution for developers who want to integrate Bluetooth® wireless technology into their design with limited knowledge of Bluetooth® and RF technologies. WT41u optimized for long range applications is available with an integrated chip antenna.

Bluetooth 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.

The Bluetooth 2 Click is the new and updated version of the famous Bluetooth2 Click**.**

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Specifications

Type	BT/BLE
Applications	Handheld terminals, Industrial devices, Point-of-Sale systems, PCs, Personal Digital Assistants (PDAs), Computer Accessories, Access Points, Automotive Diagnostics Units.
On-board modules	Bluetooth 2 Click uses the WT41u module, a fully integrated Bluetooth 2.1 + EDR class 1 module, from Silicon Labs.
Key Features	Exceptional radio performance (TX power: +20 dBm, RX sensitivity: -90 dBm). Superior radio performance 110dB link budget provides 1000+ meter line-of-sight connectivity.
Interface	GPIO,SPI,UART
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroBUS™

Click board™ Catalog

Click Boards™

Downloads

Bluetooth 2 click example on Libstock

WT41U datasheet

Bluetooth 2 click schematic

Bluetooth 2 click 2D and 3D files