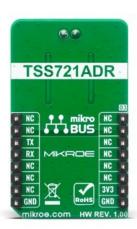


MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

M-Bus Slave Click





PID: MIKROE-4137

M-Bus Slave Click is a Click board™ equipped with the TSS721A, a single chip transceiver developed by Texas Instruments for Meter-Bus applications according to EN1434-3 standard. The connection to the bus is polarity independent and serves as a slave node in the system. M-Bus Slave Click has full galvanic isolation with optocouplers to improve the reliability of the whole circuit. The circuit is supplied by the master via the bus. Therefore, this circuit offers no additional load for the slave battery. The TSS721A has a power-fail function integrated within. This solution is perfect for a plethora of applications like remote reading of gas, water, heat or electricity, or other types of consumption meters.

The M-Bus Slave 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.





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Specifications

Туре	RS232
Applications	Remote sensor reading, remote control over M-Bus
On-board modules	M-Bus Slave Click uses the TSS721A IC, a single chip transceiver developed for Meter- Bus standard, from Texas Instruments
Key Features	Galvanically isolated, Slave node
Interface	UART
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

M-Bus Slave click example on Libstock

M-Bus Slave click 2D and 3D files

TSS721A datasheet

M-Bus Slave click schematic

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