

ISM RX 2 Click



PID: MIKROE-4230

ISM RX 2 Click is a compact add-on board that contains a pin configurable, low current, sub-GHz EZRadio® receiver. This board features the [Si4356](#), a standalone Sub-GHz RF receiver IC, from [Silicon Labs](#), which provides a true plug-and-play receive option. The Si4356 features a (G)FSK/OOK demodulator, and it has a good sensitivity up to -113 dBm that allows longer operating range, while the low current consumption of 12 mA in Active and 50 nA in Stand-by Mode provides superior battery life. This Click board™ is suitable for remote low-speed communication, such as the remote keyless access, garage or gate doors control, industrial control, home automation, and similar applications where this kind of communication is applicable.

ISM RX 2 Click 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	Sub-1 GHz Transceivers
Applications	Can be used for remote low-speed communication, such as the remote keyless access, garage or gate doors control, industrial control, home automation, and similar applications where this kind of communication is applicable.
On-board modules	ISM RX 2 Click is based on the Si4356, an easy-to-use, size efficient, low current wireless receiver IC from Silicon Labs.
Key Features	Low current consumption, (G)FSK/OOK demodulator, pin configurable, excellent sensitivity up to -113 dBm, automatic gain control, true plug-and-play receive the option and more.
Interface	GPIO,UART
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[ISM RX 2 click 2D and 3D files](#)

[SI4356 datasheet](#)

[ISM RX 2 click schematic](#)

[ISM RX 2 click example on Libstock](#)

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).