

ISM Click



PID: MIKROE-4625

ISM Click is a compact add-on board that contains a complete wireless RF digital data transceiver. This board features the RFM75, a low-power, high-performance 2.4GHz GFSK transceiver from RF Solutions. The RFM75 transceiver is configurable through SPI serial interface and operates with only 3.3V in the worldwide ISM frequency band from 2400MHz up to 2527MHz. The embedded packet processing engines enable their entire operation with a simple MCU as a radio system. Burst mode transmission and up to 2Mbps air data rate make it suitable for applications requiring ultra-low power consumption. This Click board™ is ideal for home appliances, remote control applications, consumer electronics, and many more.

ISM 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	2.4 GHz Transceivers
Applications	Can be used for home appliances, remote control applications, consumer electronics, and many more.
On-board modules	RFM75 - low-power, high-performance 2.4GHz GFSK transceiver operating in the worldwide ISM frequency band from 2400MHz up to 2483.5MHz from RF Solutions
Key Features	Low power consumption, 2400-2483.5 MHz ISM band operation, support 250Kbps, 1Mbps and 2 Mbps air data rate, automatic packet processing, high performance, SPI interface, and more.
Interface	SPI
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

Downloads

[ISM click 2D and 3D files](#)
[RFM75 datasheet](#)
[ISM click schematic](#)

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