

RTC 9 Click



PID: MIKROE-4121

RTC 9 Click is a real-time clock module that has an extremely low power consumption, allowing it to be used with a single button cell battery, for an extended period of time. This board features the [M41T82](#), real-time clock (RTC) with battery switchover, from [ST Microelectronics](#). It features factory-calibrated accuracy of ± 5 ppm typically, automatic switchover and reset output circuitry, programmable alarm with interrupt function, and more. All these features make RTC 9 Click excellent choice for manufacturers for applications such as portable applications, logging devices, wearables, medical equipment, and similar.

RTC 9 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	RTC
Applications	RTC 9 click is a perfect solution for the development of the IoT, wearable and portable devices, logging devices, industrial and health-related time metering applications, and all the other applications that require an accurate time-base for various purposes.
On-board modules	M41T82, real-time clock (RTC) with battery switchover, from ST Microelectronics.
Key Features	Factory-calibrated accuracy of ± 5 ppm typically, automatic switchover and reset output circuitry, programmable alarm with interrupt function, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ Standard specification](#)

[LibStock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

[RTC 9 click example on Libstock](#)

[RTC 9 click 2D and 3D files](#)

[M41T82 datasheet](#)

[RTC 9 click schematic](#)

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