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

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™

mikroSDK
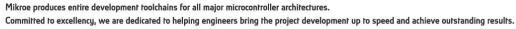
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RTC 9 click example on Libstock

RTC 9 click 2D and 3D files

M41T82 datasheet

RTC 9 click schematic

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