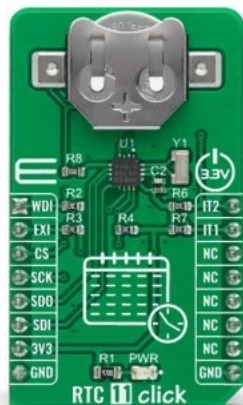


## RTC 11 Click



PID: MIKROE-4288

RTC 11 Click is a compact add-on board that contains a real-time clock IC designed to maximize battery life and reduce overall battery requirements in wearable applications. This board features the AB0815, an ultra-low-power coupled with a highly sophisticated feature set the real-time clock from Abracon LLC. The AB0815 includes on-chip oscillator to provide low power consumption, full RTC functions such as battery backup, programmable counters, and alarms for timer and watchdog functions. Its power requirements are lower than any other industry RTC (as low as 22 nA) and communicate with MCU using the SPI interface. This Click board™ is suitable for applications such as portable applications, wearables, medical equipment, and similar.

RTC 11 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	Can be used for applications such as portable applications, wearables, medical equipment, and similar.
On-board modules	RTC 11 Click is based on the AB0815, an ultra-low-power coupled with a highly sophisticated feature set, the real-time clock from Abracon LLC.
Key Features	Low power consumption, battery backup, programmable counters, alarms for timer and watchdog functions, and more.
Interface	SPI
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

[RTC 11 click schematic](#)

[RTC 11 click 2D and 3D files](#)

[RTC 11 click example on Libstock](#)

[AB08X5 datasheet](#)

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