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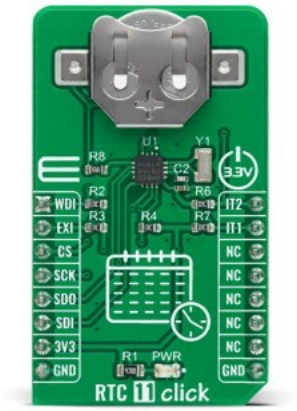
RTC 11 Click



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.

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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