

BATT-MON 2 Click



PID: MIKROE-5019

BATT-MON 2 Click is a compact add-on board representing a battery monitoring solution. This board features the [MAX17262](#) from [Analog Device](#), an ultra-low power I2C-configurable fuel-gauge IC with implemented ModelGauge™ m5 algorithm. The MAX17262 monitors a single-cell battery pack (best performance for batteries with 100mAhr to 6Ahr capacity), providing precision measurements of current, voltage, and temperature, and supporting internal current sensing for up to 3.1A pulse current. The battery pack's temperature is measured using an internal temperature sensor or external thermistor. This Click board™ is suitable for Li-Ion battery monitoring for various applications such as health and fitness monitors, terminals, home, building automation, sensors, toys, and more.

BATT-MON 2 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	Battery charger
Applications	Can be used for various applications such as health and fitness monitors, terminals, home, building automation, sensors, toys, and more
On-board modules	MAX17262 - 1-Cell fuel-gauge IC from Analog Devices
Key Features	Low power consumption, ModelGauge™ m5 algorithm, internal current sensing, supports Li+ and variants, battery pack temperature sensing, no calibration required, alert indicator, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[BATT-MON 2 click schematic](#)

[MAX17262 datasheet](#)

[BATT-MON 2 click 2D and 3D files](#)

[BATT-MON 2 click example on Libstock](#)

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