

BATT-MAN 3 Click



PID: MIKROE-4909

BATT-MAN 3 Click is a compact add-on board representing an advanced battery management solution. This board features the [ADP5350](#), a power management IC with inductive boost LED, and three LDO regulators from [Analog Devices](#). This I2C programmable board supports USB optimized for USB voltage input. It combines one high-performance buck regulator for single Li-Ion/Li-Ion polymer battery charging, a fuel gauge, a highly programmable boost regulator for LED backlight illumination, and three 150mA LDO regulators. This Click board™ is suitable for rechargeable Li-Ion and Li-Ion Polymer battery-powered devices, portable customer and instrumentation devices, and many more.

BATT-MAN 3 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	Buck-Boost
Applications	Can be used for rechargeable Li-Ion and Li-Ion Polymer battery-powered devices, portable customer and instrumentation devices, and many more
On-board modules	ADP5350 - advanced battery management PMIC with inductive boost LED, and three LDO regulators from Analog Devices
Key Features	Switching mode USB battery charger, boost regulator with five-channel LED driver, three 150mA linear LDO regulators, full I2C programmability with dedicated interrupt pin, LED indicators, external NTC, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click Boards™](#)

Downloads

[BATT-MAN 3 click 2D and 3D files](#)
[BATT-MAN 3 click schematic](#)
[BATT-MAN 3 click example on Libstock](#)
[ADP5350 datasheet](#)

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