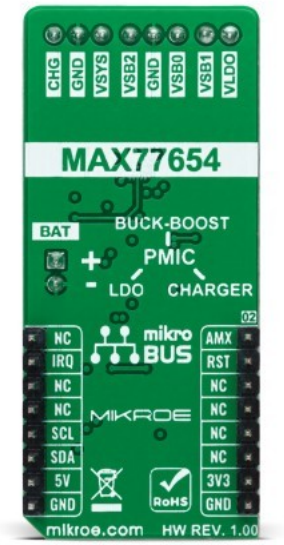
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

BATT-MAN 2 Click



PID: MIKROE-4837

BATT-MAN 2 Click is a compact add-on board representing an advanced battery and power management solution. This board features the MAX77654, a single inductor, multiple-output (SIMO) power management IC (PMIC) from Analog Devices. This I2C programmable board features a buck-boost regulator that provides three independently programmable power rails from a single inductor. Also, it has one 100mA LDO output with ripple rejection for audio and other noise-sensitive applications and a highly-configurable linear charger that supports a wide range of Li+ battery capacities featuring battery temperature monitoring for additional safety (JEITA). This Click board™ is suitable as a battery charging and power supply solution for low-power applications where size and efficiency are critical.

BATT-MAN 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.

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Specifications

Type	Buck-Boost
Applications	Can be used as a battery charging and power supply solution for low-power applications where size and efficiency are critical
On-board modules	MAX77654 - single inductor, multiple-output (SIMO) power management IC (PMIC) from Maxim Integrated, now part of Analog Devices
Key Features	3 x Buck-Boost outputs, 1 x LDO output, low power consumption, DC charging source, charger optimized for small battery size, flexible and configurable interface, analog MUX output for power monitoring, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

BATT-MAN 2 click 2D and 3D files

BATT-MAN 2 click schematic

PCA9306 datasheet

MAX77654 datasheet

ADP160 datasheet

BATT-MAN 2 click example on Libstock