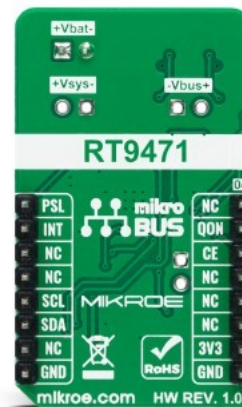


Charger 17 Click



PID: MIKROE-4823

Charger 17 Click is a compact add-on board that provides a single-cell battery charging solution. This board features the [RT9471](#), a 3A single-cell switching battery charger from Richtek. It is a highly-integrated battery charge and system power-path management device for single-cell Li-Ion and Li-Polymer batteries. The high-efficiency 1.5MHz synchronous switch-mode buck charger achieves up to 92% charge efficiency at 2A with 5V input and 3.8V battery. This Click board™ makes the perfect solution for the development of Li-Ion/Polymer battery chargers for portable devices and accessories, power tools, and more.

Charger 17 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 the development of Li-Ion/Polymer battery chargers for portable devices and accessories, power tools, and more
On-board modules	RT9471 - 3A single-cell switching battery charger from Richtek
Key Features	JST connector for charging single-cell Li-Ion and Li-Polymer batteries, USB C external power supply, or over the VBUS/GND header, high charger efficiency, high boost efficiency, supports USB On-the-Go with current and voltage limit regulation, up to 3150mA of current charging range, over-temperature protection, VBUS over-voltage protection, battery over-voltage protection, and more
Interface	I2C
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

[Charger 17 click example on Libstock](#)

[Charger 17 click 2D and 3D files](#)

[RT9471 datasheet](#)

[Charger 17 click schematic](#)

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