

PowerBank 2 Click



PID: MIKROE-4116

The PowerBank 2 Click is a Click board™ equipped with the RT9480, highly integrated and easy to use power solution for Li-ion power bank and other powered handheld applications. It's usually called EZPBS (Easy to Use PowerBank Solution). This single chip includes a linear charger, a synchronous Boost with dual output load management and a torch function support. The battery volume and the state of charging and discharging can be indicated by 4 LEDs.

PowerBank 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	Optical
Applications	Sub-Battery Applications, Power-Bank Applications for Smartphones, Tablets and Other Portable Devices
On-board modules	RT9480
Key Features	Power solution for Li-ion power bank and other powered handheld applications, a synchronous Boost with dual output load management and a torch function support, designed for single-cell Li-ion or Li-polymer batteries
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™ Standard specification](#)

[Libstock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

[PowerBank 2 click 2D and 3D files](#)

[PowerBank 2 click example on Libstock](#)

[RT9480 datasheet](#)

[PowerBank 2 click schematic](#)

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).