

## Boost 7 Click



PID: MIKROE-5575

**Boost 7 Click** is a compact add-on board that steps up the voltage from its input (supply) to its output (load). This board features the [BD8316GWL](#), a dual DC/DC converter from [Rohm Semiconductor](#). Each converter inside the BD8316GWL is designed with up to 200mA current limit generating well-regulated positive and negative outputs of  $\pm 3.3V$  or  $\pm 5V$ , making the BD8316GWL ideal for various applications. In addition to the possibility of working with both mikroBUS™ power rails, it also provides the opportunity of using an external power supply with a very low voltage of 2.5V. This Click board™ is used to step up an input voltage to some higher level, required by a load, for various applications that require "split rail" operating voltages.

Boost 7 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	Boost
Applications	Can be used to step up an input voltage to some higher level
On-board modules	BD8316GWL - dual DC/DC converter from Rohm Semiconductor
Key Features	Regulated negative and positive outputs, current-limited, high efficiency, low power consumption, selectable converter power supply, digitally-controlled output channels, and more
Interface	GPIO
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V, External

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Boost 7 click example on Libstock](#)

[Boost 7 click 2D and 3D files](#)

[BD8316GWL datasheet](#)

[Boost 7 Click schematic](#)

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