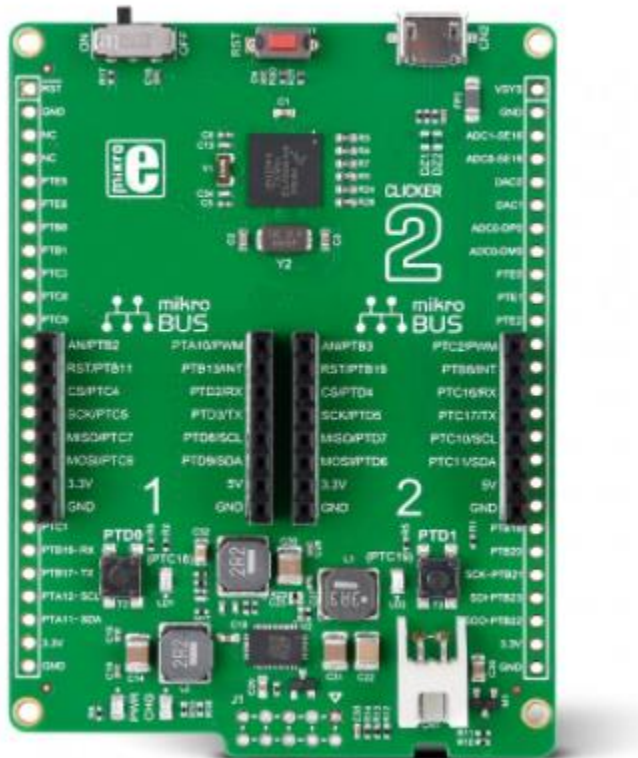


## Clicker 2 for Kinetis

MIKROE-2329

Weight: 41 g



**clicker 2 for Kinetis** is ARM Cortex™-M4 development board that carries NXP's K64 family of microcontrollers, optimized for low power applications, while preserving impressive performance across key specifications.

Focus on your main idea because clicker 2 will take care of the details for you: your prototype already has a power management system in place. The onboard LTC®3586-1 IC will provide 3.3V or 5V to the clicks. It turns the USB port into a battery charger. For convenience, clicker 2 for Kinetis features a reset button and an ON/OFF switch (you can also connect an external ON/OFF switch).

## Thousands of possibilities with click boards

With two mikroBUS™ sockets on clicker 2, you can take advantage of the huge potential of [click™ boards](#), the constantly expanding range of over 200 add-on boards. Blend different functionalities together and come up with new and original inventions. That's just two clicks and your project is half-way done. Go ahead and play with a few ideas right away.

### Programming

To make your prototyping experience as convenient as possible, clicker 2 for Kinetis is preprogrammed with a **USB HID bootloader**. Just download our mikroBootloader application and you're ready to upload your firmware. On-board **mikroProg for Kinetis** connector enables programming through external programmer/debugger.

### Power Management

clicker 2 for Kinetis features LTC®3586, a highly integrated power management and battery charger IC that includes a current limited switching PowerPath manager. LTC®3586 also enables battery charging over a USB connection.

You can supply power to the board with a micro USB cable provided in the package. On-board voltage regulators provide the appropriate voltage levels to each component on the board.

### Specifications

<b>Applications</b>	This compact board brings flexibility of click add-on boards to your favorite microcontroller, making it a perfect starter kit for implementing your ideas
<b>Architecture</b>	ARM (32-bit)
<b>MCU</b>	MK64FN1M0VDC12
<b>MCU speed</b>	120MHz
<b>MCU Memory</b>	1 MB of Flash, 256 KB of SRAM
<b>Programming</b>	Preprogrammed with USB HID bootloader. Also features mikroProg for Kinetis connector.
<b>Key Features</b>	LTC®3586 - power management and battery charger IC
<b>Expandability</b>	2 x mikroBUS sockets, two 1x26 mikromedia-compatible headers
<b>Input Voltage</b>	5V (via USB) or Li-Polymer Battery (3.7V)