Kinetis Clicker

PID: MIKROE-2330
Weight: 22 g

Kinetis clicker is an amazingly compact starter development kit which brings click board connectivity an NXP's Kinetis ARM Cortex™-M4 microcontroller. The board features all you need to get started: a low power ARM Cortex™-M4 32-bit MK22FN512VLH12 microcontroller, a USB connector, two LEDs and push buttons, reset button and headers for interfacing with external electronics.

Hundreds of possibilities with click boards. With mikroBUS™ socket, you can take advantage of the huge potential of click™ boards, the constantly expanding range of over 300 add-on boards.

Programming. To make your prototyping experience as convenient as possible, STM32 M4 clicker 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.

Technical Specifications

Applications

This compact board brings flexibility of click add-on boards to your favorite microcontroller, making it a perfect starter kit for implementing your ideas.

Key features

MK22FN512VLH12 MCU, delivering 120 MHz of processing power, 512KB of Flash, 128 KB of RAM. Micro USB connector.

Micro USB connector.

Two LEDs, two push buttons, and a reset button.

Key Benefits

Single mikroBUS™ socket for adding Click additional boards.

Mounting holes simplify integration.

Small, affordable, yet powerful starter development kit.

Compact design with clear and depictive silk screen markings.

<table>
<thead>
<tr>
<th>Architecture</th>
<th>ARM (32-bit)</th>
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</thead>
<tbody>
<tr>
<td>MCU</td>
<td>MK22FN512VLH12</td>
</tr>
<tr>
<td>MCU speed</td>
<td>150 MIPS, 120 MHZ, 1.25 MIPS/MHz</td>
</tr>
<tr>
<td>MCU Memory</td>
<td>512 KB of Flash, 128 KB of RAM</td>
</tr>
<tr>
<td>On-board modules</td>
<td>1 x USB MINI-B connector, 2 x LEDs, 2 x push buttons, 1 x reset button</td>
</tr>
<tr>
<td>Programming</td>
<td>Preprogrammed with USB HID bootloader. Also features mikroProg for Kinetis connector.</td>
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<tr>
<td>Input Voltage</td>
<td>5V (via USB)</td>
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### What’s in the package?

![Product Image]

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