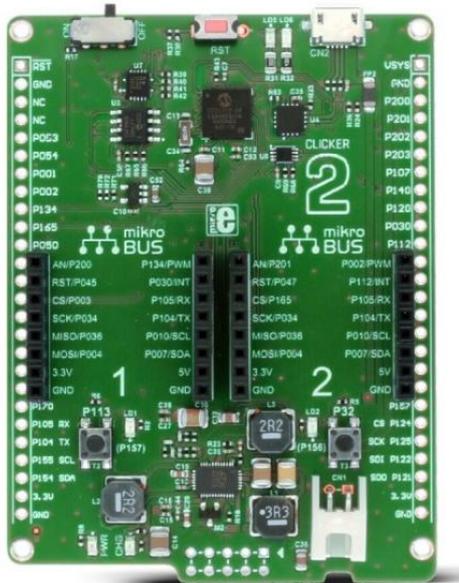


Clicker 2 for CEC1702



PID: MIKROE-2067

RS Product Code: [136-0790](#)

Clicker for CEC1702 is a compact development board with two mikroBUS™ sockets for click board™ connectivity. With more than 270 click boards™ so far, you can combine different functionalities and create without limitations. The board carries the CEC1702, a 32-bit ARM® Cortex™ -M4 Processor Core, with strong cryptographic support.

Clicker 2 for CEC1702 - the possibilities are endless

A compact development board with two mikroBUS™ sockets and your favourite microcontroller. Unleash your imagination.

The board carries the CEC1702 from Microchip, a 32-bit ARM® Cortex™ -M4 Processor Core, with strong cryptographic support.

Everything you need to get started

The board features everything you need to get started: a 32-bit CEC1702 microcontroller, USB-UART connector, two LEDs and push buttons, reset button and headers for interfacing with external electronics.

CEC1702 microcontroller

The CEC1702 is a full-featured ARM® Cortex®-M4-based microcontroller with a complete hardware cryptography-enabled solution in a single package. This low-power but powerful, programmable 32-bit microcontroller offers easy-to-use encryption, authentication, private and public key capabilities and allows customer programming flexibility to minimize customer risk.

Strong cryptographic support

The CEC1702 provides a high level of security features, it's a microcontroller with a complete hardware cryptography-enabled solution. It delivers a multi-dimensional defence against attacks, including:

- Pre-boot authentication of system firmware: Providing an immutable identity and a root of trust to ensure that the firmware is untouched and hasn't been corrupted.
- Firmware update authentication: Verifying that the firmware update has not been corrupted and is from a trusted source.
- Authentication of system critical commands: Attesting that any system-critical command is from a known source with authorization to make the given change, preventing potentially devastating actions.
- Protection of secrets with encryption: Safeguarding code and data to prevent theft or malicious activities.

Open up hundreds of possibilities with click boards™

With more than 270 click boards™ available, and the number rising every day, the combinations of functionalities is enormous. Choose two clicks that suit your project the most, and you're half-way done. Have fun and play, mix and match. We do the hard work, to bring your ideas to life.

Compatible with mikromedia shields

The clicker 2 for CEC1702 is compatible with mikromedia shields letting you expand your device any way you want. It has the same pair of 1x26 connection pads as mikromedia boards.

Specification

| | |
|------------------|---|
| Applications | This compact board brings flexibility of click add-on boards to your favourite microcontroller, making it a perfect starter kit for implementing your ideas |
| Architecture | ARM (32-bit) |
| MCU | CEC1702 |
| MCU Memory | 480KB of SRAM |
| On-board modules | 2 x LEDs, 2 x push buttons, 1 x reset button |
| Expandability | 2 x mikroBUS sockets, two 1x26 mikromedia-compatible headers |
| Weight | 50g |

Programming

Clicker 2 for CEC1702 is shipped without the Bootloader and the appropriate eFUSE settings (factory default). To be able to program clicker 2 for CEC1702 follow the steps explained on CEC1702 Specifics in the Help section of the ARM compilers, under "OTP Programming the CEC1702 device".

You can download the Bootloader from the link below.

Downloads

[CEC1702 datasheet](#)

[mikroProg suite for ARM v150](#)

[CEC1702 clicker 2 Bootloader](#)

[CEC1702 manual](#)