

## Fingerprint 3 Click



PID: MIKROE-4265

Fingerprint 3 Click is a compact add-on board that allows users to secure its projects with a biometric all-in-one optical fingerprint sensor that will make fingerprint detection and verification super simple. This board features the GROW R503, a capacitive fingerprint sensor module scanner with a two-color ring indicator from Hangzhou Grow Technology Co., Ltd. This module represents an integrated image collecting and algorithm chip together. The enclosure of the module is dust resistant but not waterproof with ring indicator LED light controlled by command, and it has a high recognition rate and the flexibility to adapt on different conditions of human finger whether it's dry, wet, a person of different ages... This Click board™ can be embedded into a variety of end products such as access control, attendance, safety deposit box which allows the user to integrate biometric security into its design in the easiest and fastest way.

Fingerprint 3 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	Adapter, Fingerprint
Applications	Can be embedded into a variety of end products such as access control, attendance, safety deposit box which allows the user to integrate biometric security into its design in the easiest and fastest way.
On-board modules	Fingerprint 3 Click is adapter with socket for the capacitive fingerprint sensor module scanner with a two-color ring indicator.
Key Features	Integrated image collecting, ring indicator, dust resistant, high recognition rate and the flexibility to adapt on different conditions of human finger, and more.
Interface	UART
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[R503 datasheet](#)

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

[Fingerprint 3 click example on Libstock](#)

[Fingerprint 3 click schematic](#)

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