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Fingerprint 2 Click

PID: MIKROE-4119

Fingerprint 2 Click is a new fingerprint scanner Click board simplified for everyone's use and it's very easy to implement! This add-on board consists of a high-speed Nuvoton processor which carries high-performance fingerprint algorithm developed for on-board A-172-MRQ fingerprint sensor from company ByNew Technology Inc. This board can be used as a standalone device when connected over USB to PC or it can be controlled by the MCU/processor over serial UART interface. Board is already coming with preprogrammed firmware capable of storing up to 24 different fingerprints at the same time, as well as recognition algorithm for fingerprint comparison. This board enables you that in the easiest and fastest way integrate biometric security into your design.

Fingerprint 2 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	Fingerprint
Applications	Fingerprint scanners are chiefly used in biometric security applications
On-board modules	A-172-MRQ-K05A13001, Fingerprint scanners from ByNew
Key Features	8.8x8.8mm active scanning area, capable of storing up to 24 different fingerprints at the same time, as well as recognition algorithm for fingerprint comparison
Interface	GPIO,UART,USB
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

Fingerprint 2 click schematic

Fingerprint 2 click 2D and 3D files

Fingerprint 2 click example on Libstock

A-172-MRQ datasheet

ByNew Quickick Utility Tool

Fingerprint 2 Click Communication Protocol