

## Secure 8 Click



PID: MIKROE-5154

**Secure 8 Click** is a compact add-on board containing hardware-based key storage with a cryptographic accelerator to implement authentication and encryption protocol. This board features the ATECC608B, a member of the Microchip CryptoAuthentication™ family of high-security cryptographic devices with a wide array of defense mechanisms specifically designed to prevent logical attacks on the data transmitted between the device and the system. An integrated EEPROM can be used to store up to 16 keys, certificates, miscellaneous read/write, read-only or secret data, consumption logging, and security configurations. It also allows memory-section restrictions in several different ways. This version of the Secure Click board™ carries two versions of the ATECC608B, thus supporting the I2C and the Single Wire (SWI) interface, giving the user the ability to select the desired communication interface. This Click board™ is suitable for various security applications such as Network/IoT node endpoint security, secure boot, small message encryption, key generation for software download, and more.

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	Encryption
Applications	Can be used for various security applications such as Network/IoT node endpoint security, secure boot, small message encryption, key generation for software download, and more
On-board modules	ATECC608B - cryptographic coprocessor with secure hardware-based key storage from Microchip
Key Features	Cryptographic co-processor with secure hardware-based key storage, hardware support for asymmetric sign, verify, key agreement, networking key management, secure boot support, two interface options, and more
Interface	I2C,SWI
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[Secure 8 click schematic](#)

[ATECC608B datasheet](#)

[Secure 8 click 2D and 3D files](#)

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