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## Secure 7 Click





PID: MIKROE-3915

**Secure 7 Click** carries the ATECC608A cryptographic coprocessor with secure hardware-based key storage, from Microchip. The ATECC608A includes an EEPROM array which can be used for storage of up to 16 keys, certificates, miscellaneous read/write, read-only or secret data, consumption logging, and security configurations. The ATECC608A equipped on this click board ™, supports the SWI interface with a flexible command set, that allows use in various security applications, including Network/IoT Node Endpoint Security, Secure Boot, Small Message Encryption, Key Generation for Software Download, Ecosystem control, Anti Counterfeiting and similar.

Secure 7 click board  $^{\text{m}}$  is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board  $^{\text{m}}$  comes as a fully tested product, ready to be used on a system equipped with the mikroBUS  $^{\text{m}}$  socket.

NOTE: The click board™ comes with stacking headers which allow you to combine it with other click boards™ more easily by using just one 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.





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## **Specifications**

Туре	Encryption
Applications	IoT node security and ID, secure download and boot, ecosystem control, message security, anti-cloning, etc.
On-board modules	ATECC608A cryptographic co-processor
Key Features	Performs high-speed public key (PKI) algorithms, NIST Standard P256 elliptic curve support, SHA-256 hash algorithm with HMAC option, 256-bit key length, storage for up to 16 Keys
Interface	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 7 click example on Libstock

Secure 7 click 2D and 3D files

Secure 7 click schematic

40001977A datasheet

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