

EEPROM 12 Click



PID: MIKROE-5893

EEPROM 12 Click is a compact add-on board that contains a highly reliable, nonvolatile memory solution. This board features the [M24256E](#) from [STMicroelectronics](#). It is a 256Kbit (32KB) EEPROM with a page size of 64 bytes and an additional identification page with the same size. This identification page can be read or written and (later) permanently locked in read-only mode and can be used to store sensitive application parameters. This Click board™ makes the perfect solution for the development of the development of consumer electronics, office equipment, communication devices, medical equipment, automobile equipment, and more.

EEPROM 12 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets EEPROM 12 Click apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	EEPROM
Applications	Can be used for the development of the development of consumer electronics, office equipment, communication devices, medical equipment, automobile equipment, and more
On-board modules	M24256E - 256-Kbit serial I2C bus EEPROM from STMicroelectronics
Key Features	Supports standard, fast, and fast mode plus I2C interface, 256-Kbit of EEPROM in 64 bytes of page sizes, random and sequential read modes, write protection of the whole memory array, enhanced ESD/ latch-up protection, long data retention and data write cycles, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[EEPROM 12 click example on Libstock](#)

[EEPROM 12 click 2D and 3D files](#)

[M24256E-F datasheet](#)

[EEPROM 12 click schematic](#)

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