EEPROM 13 Click

PID: MIKROE-5885

EEPROM 13 Click is a compact add-on board that contains a highly reliable, nonvolatile memory solution. This board features the M24M01E, an electrically erasable programmable memory with enhanced hardware write protection for entire memory from STMicroelectronics. Its memory size of 1Mbit is organized as 128K words of 8bits each, with a page size of 256 bytes and an additional 256 bytes of identification page. The identification page can be used to store sensitive application parameters, which can be (later) permanently locked in read-only mode. This Click board™ makes the perfect solution for the development of consumer and industrial applications where dependable, nonvolatile memory storage is essential.

EEPROM 13 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 this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

Specifications

Type	EEPROM
Applications	Can be used for the development of consumer and industrial applications where dependable nonvolatile memory storage is essential
On-board modules	M24M01E - EEPROM memory with enhanced hardware write protection for entire memory from STMicroelectronics
Key Features	Supports standard, fast, and fast mode plus I2C interface, 1-Mbit of EEPROM in 256 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 13 click example on Libstock](#)

[EEPROM 13 click 2D and 3D files](#)

[M24M01E-F datasheet](#)

[EEPROM 13 Click schematic](#)