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EEPROM 9 Click

PID: MIKROE-5681

EEPROM 9 Click is a compact add-on board with a highly reliable nonvolatile memory solution. This board features the M95P32-I, the 32Mbit electrically erasable programmable memory with enhanced hardware write protection from STMicroelectronics. The M95P32-I is internally organized as 8192 programmable pages of 512 bytes each, accessed through the SPI interface. It combines unprecedented data storage with byte flexibility, page alterability, high page cycling performance, and ultra-low power consumption. It lasts 500k write cycles with 100 years of data retention (10 years after 500k cycles). This Click board™ is suitable for various consumer and industrial applications where dependable nonvolatile memory storage is essential.

EEPROM 9 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.

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Specifications

Type	EEPROM
Applications	Can be used for various consumer and industrial applications
On-board modules	M95P32-I - 32Mbit of page EEPROM from STMicroelectronics
Key Features	Fast read via SPI interface, ultra low power consumption, write endurance and data retention, high write/erase performance, write protection, communication hold function, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

EEPROM 9 click example on Libstock

EEPROM 9 click 2D and 3D files

M95P32-I datasheet

EEPROM 9 click schematic