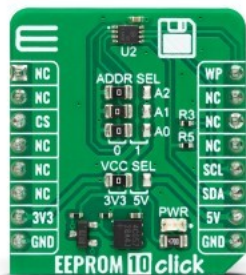


# EEPROM 10 Click



PID: MIKROE-5735

**EEPROM 10 Click** is a compact add-on board that contains the highest-density memory solution. This board features the [N24C32](#), a 32Kb I2C CMOS Serial EEPROM from [ON Semiconductor](#). It is internally organized as 128 pages of 32 bytes each, with a 32-byte page write buffer and a fast write time of up to 4ms. It lasts one million full-memory read/writes/erase cycles with more than 100 years of data retention. This Click board™ makes the perfect solution for the development of consumer and industrial applications where dependable nonvolatile memory storage is essential.

EEPROM 10 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.

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 consumer and industrial applications where dependable nonvolatile memory storage is essential
On-board modules	N24C32 - a 32Kb I2C CMOS Serial EEPROM from ON Semiconductor
Key Features	Low power consumption, write protection, more than a million read/write/erase cycles, more than 100 years of data retention, high reliability, high density, and more
Interface	I2C
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™](#)

## Downloads

[EEPROM 10 click example on Libstock](#)
[N24C32 datasheet](#)
[EEPROM 10 click 2D and 3D files](#)
[EEPROM 10 click schematic](#)

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