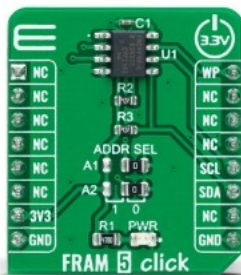


## FRAM 5 Click



PID: MIKROE-5119

**FRAM 5 Click** is a compact add-on board representing a highly reliable ferroelectric random access memory solution. This board features the FM24V10, a 1Mbit nonvolatile memory employing an advanced ferroelectric process organized as 128K words of 8 bits each from Infineon. This I2C configurable FRAM performs read and write operations similar to a RAM providing reliable data retention for 151 years while eliminating the complexities, overhead, and system-level reliability problems caused by EEPROM and other nonvolatile memories. This Click board™ is ideal for nonvolatile memory applications requiring frequent or rapid writes and unlimited endurance.

FRAM 5 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             | FRAM   |
| Applications     | Can be used for nonvolatile memory applications requiring frequent or rapid writes and unlimited endurance   |
| On-board modules | FM24V10 - 1Mbit nonvolatile memory employing an advanced ferroelectric process organized as 128K words of 8 bits each from Infineon  |
| Key Features     | Low power consumption, high endurance, 151 years data retention, advanced high-reliability ferroelectric process, fast serial interface, sophisticated write protection scheme, and more |
| Interface        | I2C  |
| ClickID          | No   |
| 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

[FRAM 5 click example on Libstock](#)

[FM24V10 datasheet](#)

[FRAM 5 click 2D and 3D files](#)

[FRAM 5 click schematic](#)

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