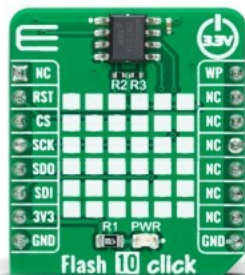


Flash 10 Click



PID: MIKROE-5289

Flash 10 Click is a compact add-on board representing a highly reliable memory solution. This board features the [AT25FF321A](#), an SPI configurable 32Mbit (2Mx16) serial Flash memory solution from [Dialog Semiconductor](#). The AT25FF321A is an ideal solution for systems in which program code is shadowed from Flash memory into embedded or external RAM (code shadow) for execution and where small amounts of data are stored and updated locally in the Flash memory. It has a flexible and optimized erase architecture for code and data storage applications, non-volatile protection, and four specialized 128-byte OTP security registers to store a unique device ID and locked key storage. This memory can withstand many write cycles (minimum 100k) and has a data retention period greater than 20 years. This Click board™ is suitable for storage and data transfer in consumer devices, enterprise systems, and industrial applications.

Flash 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	FLASH
Applications	Can be used for storage and data transfer in consumer devices, enterprise systems, and industrial applications
On-board modules	AT25FF321A - serial Flash memory solution from Dialog Semiconductor
Key Features	32Mbit (16x2Mbit physical block) flash memory, optimized erase architecture for code and data storage applications, flexible non-volatile block protection, high performance, write protection, data endurance and retention, low power consumption, and more
Interface	QSPI,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

[AT25FF321A datasheet](#)

[Flash 10 click 2D and 3D files](#)

[Flash 10 click schematic](#)

[Flash 10 click example on Libstock](#)

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).