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VAT: SR105917343 Registration No. 20490918
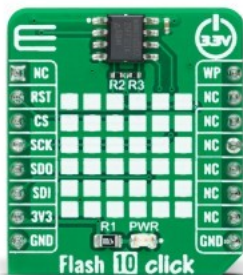Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
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Flash 10 Click

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.

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
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

AT25FF321A datasheet

Flash 10 click 2D and 3D files

Flash 10 click schematic

Flash 10 click example on Libstock