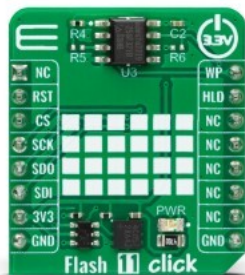


# Flash 11 Click



PID: MIKROE-5740

**Flash 11 Click** is a compact add-on board representing a highly reliable memory solution. This board features the [AT25SF321B](#), a 32-Mbit SPI serial Flash memory with Dual I/O and Quad I/O support from [Dialog Semiconductor](#). It is designed for applications in which the program code is shadowed from Flash memory into embedded or external RAM 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, three specialized protected programmable 256-byte OTP security registers, and a 64-bit factory programmable UID register. This Click board™ makes the perfect storage and data transfer solution for consumer devices and industrial applications.

Flash 11 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, and industrial applications
On-board modules	AT25SF321B - a 32-Mbit SPI serial Flash memory with Dual I/O and Quad I/O support from Dialog Semiconductor
Key Features	32Mbit (4Mx8 memory organization) flash memory, optimized erase architecture for code and data storage applications, flexible non-volatile block protection, high protection, write protection (both hardware and software), 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

[Flash 11 click 2D and 3D files](#)
[AT25SF321B datasheet](#)
[Flash 11 Click schematic](#)
[Flash 11 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).