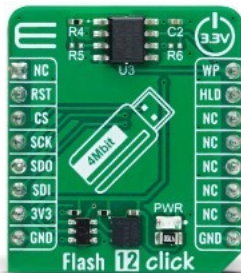


## Flash 12 Click



PID: MIKROE-6036

**Flash 12 Click** is a compact add-on board representing a highly reliable memory solution. This board features the AT25EU0041A, a 4Mbit serial flash memory from [Renesas](#), known for its ultra-low power consumption. This Click board™ is specifically designed to address the needs of systems operating at the IoT network's edge, providing an optimal solution for program code storage and execution directly from NOR Flash memory. It stands out for its innovative erase architecture, offering short erase times and low power consumption across operations, including reading, programming, and erasing. This Click board™ is ideal for developers working on the next generation of IoT devices requiring low-power read capabilities, fast erase times, boot/code shadow memory, and event/data logging.

Flash 12 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Ideal for developers working on the next generation of IoT devices requiring low-power read capabilities, fast erase times, boot/code shadow memory, and event/data logging
On-board modules	AT25EU0041A - 4Mbit serial flash memory from Renesas
Key Features	4Mbit memory capacity, SPI compatible (Dual and Quad operation), ultra-low power consumption, erase architecture, security features, write protection, communication pause feature, and more
Interface	QSPI,SPI
ClickID	Yes
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 12 click example on Libstock](#)

[Flash 12 click 2D and 3D files](#)

[AT25EU0041A datasheet](#)

[Flash 12 click schematic](#)

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