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SRAM 2 Click

PID: MIKROE-4178

SRAM 2 Click is based on [ANV32A62A](#) SRAM memory from [Anvo-Systems Dresden](#). It's a 64Kb serial SRAM with a non-volatile SONOS storage element included with each memory cell, organized as 8k words of 8 bits each. Communication is done by a I²C with up to 4 cascadable devices that can share the common bus. The serial nvSRAM provides the access and cycle times, easy to use and unlimited read and write endurance of a SRAM. This Click board™ can be easily used to store drive profiles, configurations and similar data, which are typically stored in a FLASH.

SRAM 2 Click board™ 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	SRAM
Applications	Workstations, Routers, Peripheral equipment, and other lpw-power applicatins
On-board modules	HSFPAR003A
Key Features	Unlimited READ and WRITE Cycles, 100-Year Non-volatile Data Retention, Hardware Write-Protect
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

SRAM 2 click 2D and 3D files

ANV32A62A datasheet

SRAM 2 click example on Libstock

SRAM 2 click schematic