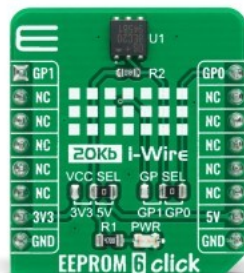


EEPROM 6 Click



PID: MIKROE-4296

EEPROM 6 Click is a compact add-on board that contains a serial EEPROM memory that operates from the 1-Wire interface. This board features the [DS28EC20](#), a 20480-bit EEPROM organized as 80 memory pages of 256 bits each from [Analog Devices](#). As a specific feature, blocks of eight memory pages can be write-protected or put in “EPROM-Emulation” Mode, where bits can only be changed from a 1 to a 0 state. It communicates with MCU at 15.4kbps or 90kbps over the 1-Wire protocol and has a 64-bit registration number that ensures error-free device selection. This Click board™ is suitable for applications like device authentication, data for self-configuration of central office switches, wireless base stations, or other modular-based rack systems.

EEPROM 6 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	EEPROM
Applications	Can be used for applications like device authentication, analog-sensor calibration, ink and toner printer cartridge identification, data for self-configuration of central office switches, wireless base stations, or other modular-based rack systems.
On-board modules	EEPROM 6 Click is based on the DS28EC20, a 20Kb of data EEPROM with a fully featured 1-Wire interface in a single chip from Maxim Integrated.
Key Features	Unique registration number that ensures error-free device selection, switchpoint hysteresis and filtering to optimize performance in the presence of noise, 200k write/erase cycle endurance, and more.
Interface	1-Wire
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[EEPROM 6 click example on Libstock](#)

[EEPROM 6 click 2D and 3D files](#)

[DS28EC20 datasheet](#)

[EEPROM 6 click schematic](#)

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