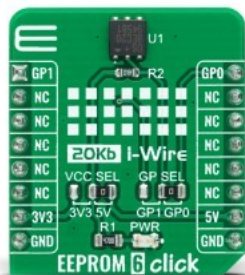# EEPROM 6 Click

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.

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
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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