

UNIQUE ID click



PID: MIKROE-1819

RS Product Code: [136-0708](#)

Unique ID click carries DS2401, an enhanced silicon serial number IC. It's a low cost solution for providing a unique registration number to your design. The chip consists of a factory-lasered 64-bit ROM that includes a unique a 48-bit serial number, an 8-bit CRC, and an 8-bit family code. It uses 1-wire communications for interfacing with the target board microcontroller, either through a GP1 or GP0 pin (here in place of the default AN and PWM mikroBUS pins). The board is designed to use either a 3.3V or 5V power supply.

Specification

Product Type	ID
Applications	PCB identification, equipment registration, network node ID
On-board modules	DS2401
Key Features	1-Wire interface. Each click has a unique 48-bit serial number
Key Benefits	Easiest way to provide a unique ID
Interface	GPIO
Power Supply	3.3V or 5V
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Weight	29g

Downloads

[Unique ID Click Example](#)

[Unique ID Click User Manual](#)