

Fan 8 Click



PID: MIKROE-4824

Fan 8 Click is a compact add-on board that represents a compliant fan controller. This board features the [MAX6615](#), a fan-speed controller, and a dual-channel temperature monitor with external thermistor inputs from [Analog Devices](#). The MAX6615 controls the speed of two cooling fans based on the temperatures of external thermistors and the device's internal temperature, reporting temperature values in a digital form using the I2C serial interface. The temperature data controls a PWM output signal to adjust the speed of a cooling fan, minimizing noise when the system is running cool, but providing maximum cooling when power dissipation increases. It also features an overtemperature alarm to generate interrupts, throttle, or shutdown signals. The combination of high accuracy and dual thermistor inputs makes this Click board a practical choice for networking equipment, servers, or other applications requiring cooling and temperature control.

Fan 8 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	Brushless
Applications	Can be used for networking equipment, servers, or other applications requiring cooling and temperature control
On-board modules	MAX6615 - compliant fan controller, and accurately two temperature-channels monitors from Maxim Integrated, now part of Analog Devices
Key Features	Two fan-speed controller, dual-channel temperature monitor, external thermistors, fail-safe system protection, shutdown in case of overtemperature, programmable I2C addresses, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click Boards™](#)

Downloads

[Fan 8 click schematic](#)
[MAX6615 datasheet](#)
[Fan 8 click 2D and 3D files](#)
[Fan 8 click example on Libstock](#)

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