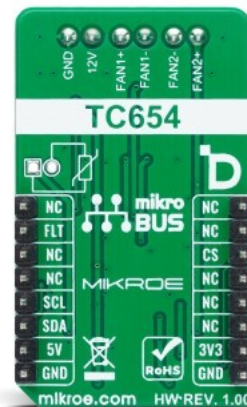
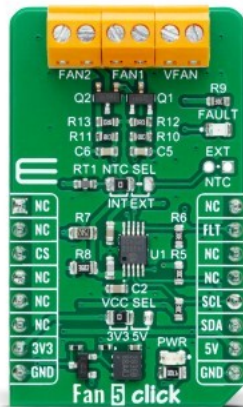


Fan 5 Click



PID: MIKROE-5507

Fan 5 Click is a compact add-on board specially designed for fan speed management. This board features Microchip's TC654, a PWM mode fan speed controller with FanSense™ technology suitable for brushless DC fans. This I2C-configurable controller implements temperature-proportional fan speed control, which lowers acoustic fan noise and increases fan life. It allows the speed control of two cooling fans based on the thermistor temperature or through the I2C-programmed PWM duty cycle. It also has a fan failure indicator to alarm the user when the fan's RPM falls below the user-set RPM threshold. This Click board™ is a perfect choice for networking equipment, servers, or other applications requiring cooling and temperature control.

Fan 5 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	TC654 - fan speed controller from Microchip
Key Features	Temperature proportional fan speed, reduced noise, 5V and 12V fan drive, FanSense™ technology protecting against fan failure, PWM fan drive, I2C interface, selectable thermistor, fault LED indicator, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

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

Downloads

[Fan 5 click example on Libstock](#)
[Fan 5 click 2D and 3D files](#)
[TC654 datasheet](#)
[Fan 5 click schematic](#)

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