

Temp Alarm Click



PID: MIKROE-5872

Temp Alarm Click is a compact add-on board that adds temperature alarm functionalities to your project. This board features the PTMP4718, a high-accuracy remote and local temperature sensor from Texas Instruments. This temperature sensor has pin-programmable alert thresholds, with a fault queue for debounce. It integrates a local temperature sensor and a remote temperature sensor input. This Click board™ makes the perfect solution for the development of rack server motherboards, smart network interface cards, small cell base stations, standard notebook PCs, software-defined radios, and more.

Temp Alarm 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	Temperature & humidity
Applications	Can be used for the development of rack server motherboards, smart network interface cards, small cell base stations, standard notebook PCs, software-defined radios, and more
On-board modules	PTMP4718 - high-accuracy remote and local temperature sensor from Texas Instruments
Key Features	Wide temperature operating range, remote and local temperature channels, low power consumption, remote diode fault detection, programmable alert, and temperature critical limits, onboard NPN transistor for remote temperature channel, positive, and negative connectors for remote temperature sensor, and more
Interface	I2C
ClickID	Yes
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

[Temp Alarm click example on Libstock](#)

[PTMP4718 datasheet](#)

[NC7WZ14 datasheet](#)

[Temp Alarm click 2D and 3D files](#)

[Temp Alarm click schematic](#)

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