

Air quality 8 Click



PID: MIKROE-4904

Air quality 8 Click is a compact add-on board containing a best-in-class air-quality sensing solution. This board features the [ZMOD4510](#), a fully calibrated digital sensor solution that detects air quality in various indoor and outdoor applications from [Renesas](#). The ZMOD4510 comes with selective ozone measurement capabilities, offering visibility into the air quality in users' environments for a personalized experience. This Click board™ is an I2C configurable and characterized by outstanding long-term stability and lifetime. Many additional features such as low power consumption, wide NO2 and O3 detection range, and high sensitivity make this Click board™ an excellent choice for detecting unhealthy conditions in outdoor air, such as personal air-quality monitor, HVAC, and other various air quality-related applications.

Air quality 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	Air Quality ,Gas
Applications	Can be used for detecting unhealthy conditions in outdoor air, such as personal air-quality monitor, HVAC, and other various air quality-related applications
On-board modules	ZMOD4510 - pre-calibrated digital sensor designed for reliable indoor and outdoor air quality detection from Renesas
Key Features	Pre-calibrated, reliable for outdoor and indoor air quality detection, low power consumption, MOx material, digital I2C output, siloxane resistance, high-sensitivity, long term stability, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[ZMOD4510 datasheet](#)

[Air quality 8 click 2D and 3D files](#)

[Air quality 8 click schematic](#)

[Air quality 8 click example on Libstock](#)

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