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.

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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