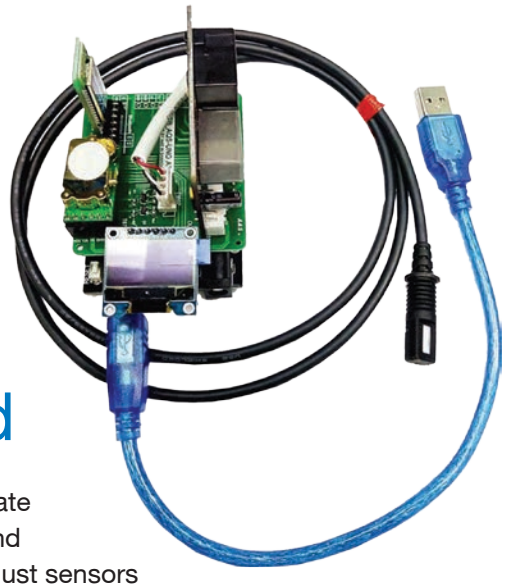
TELAIRE®

Model:
AAS-AQS-UNO

Air Quality Evaluation Board



The AAS-AQS-UNO engineering evaluation board is used to evaluate the Telaire air quality sensors. It can support T9602 temperature and humidity sensors, T6713 carbon dioxide sensors, SM-PWM-01C dust sensors and other sensors from the Amphenol range. Moreover, the OLED display and Bluetooth output can be supported at the same time. This evaluation board is designed to speed up evaluation and development of the relevant sensors. The serial output can be configured to send sensor data to a PC over the USB connection for recording and analysis in 3rd party software.

Applications

- Rapid development of air quality sensor acquisition system (temperature and humidity, carbon dioxide and dust, etc.)
- Rapid development of intelligent apparel devices and low-power-consumption IOT-based Bluetooth modules



Features

- Arduino development platform, open source code
- Reserved SM-PWM-01C dust sensor interface
- Reserved T6713 carbon dioxide sensor interface
- Reserved T9602 temperature and humidity sensor interfaces
- Reserved laser dust sensor interface
- Support Bluetooth BLE4.0 OSPF module
- Support the 128 * 64 OLED screen
- External USB power supply
- Sample code available on www.Github.com

Amphenol

Advanced Sensors

Telaire AAS-AQS-UNO

Main Technical Indexes of AAS-AQS-UNO Evaluation Board		
Parameter	Rated value	Unit
DC power supply voltage	5V DC	V
DC power supply current	1A	A
Operating temperature range	0°~60°	°
Operating humidity range	0~95%	%RH
Output level	L<0.8@3.3V, H>2.7@3.3V	
Dimension	72mm*56mm	mm
Support interface	I^2C output T9602 temperature and humidity sensor UART output T6713 carbon dioxide sensor UART output laser dust sensor PWM output infrared dust sensor	

AAS-AQS-UNO Evaluation Kit Includes:

- 1 Arduino compatible board with preloaded software
- 1 sensor evaluation shield
- 1 USB data line
- 1 OLED screen
- 1 SM-PWM-01C Dust Sensor

AAS-AQS-UNO-RH-CO_2 Kit Includes:

- All Items in AAS-AQS-UNO detailed above plus:
  - 1 T9602-3-D-1 Humidity & Temp Sensor
  - 1 T6713-6H CO2 Sensor Module

Amphenol
Advanced Sensors

www.telaire.com

www.amphenol-sensors.com

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