

Air quality monitoring... just got **smarter!**



Airthinx's Indoor Air Quality (IAQ) monitor is the first Internet of things (IoT) device that delivers simultaneous real-time measurements of Particles (PM 1, PM 2.5, and PM 10), Gasses (VOCs, CO₂, and CH₂O), and Environmental Conditions (Temperature, Humidity, and Pressure) with the level of accuracy of an industry standard reference instrument, at a fraction of the cost. The portable monitor packs all of these sophisticated features into a modern lightweight product designed to work right out of the box—no need for configuration. Once mounted to any wall, it is always connected to the cloud and provides the user with access to all their data anytime, anywhere directly from the web.

The Airthinx IAQ solution is developed and powered by Netronix's IoT platform and that ensures the highest standards of security, reliability, and scalability of the network. This enables the rapid deployment of devices in any indoor environment regardless of the infrastructure of the building.



BUILDINGS



HEALTHCARE



RESIDENTIAL



TRANSPORTATION



Product Specifications



PM Sensor		PM1, PM2.5, PM10	0.3~1.0; 1.0~2.5; 2.5~10 μm
		Effective Range	0~500 μg/m ³
		Resolution	1 μg/m ³
		Efficiency	98%>=0.5μm
		Maximum Consistency Error	±10% @100~500 μg/m ³
		Standard Volume	0.1L
Gas Sensor	CH ₂ O	Effective Range	0~1 mg/m ³
		Resolution	0.001 mg/m ³
		Maximum Error	<5% FS
	CO ₂	Effective Range	0~3000 ppm
		Resolution	1 ppm
		Maximum consistency Error	±50ppm+5%FS
		Single Response Time	< 3 sec.
	TVOC	Total Response Time	≤ 25 sec.
		Effective Range	1 ~ 30 ppm of EtOH
Sensitivity		0.15 ~ 0.5 Rs (10ppm of EtOH)/ Rs (air)	
Environmental Sensors	Temparture	Range	0 - 99 °C
		Resolution	0.1 °C
		Maximum Error	±0.5 °C
	Humidity	Range	0-99 %RH
		Resolution	0.1 %RH
		Maximum Error	±2 %RH
	Barometer	Range	300-1100 hPa
		Resolution	±0.12 Pa
		Maximum Error	±1.3 Pa
Communications	Cellular	GSM/GPRS/EDGE 850, 900, 1800, 1900 MHz UMTS/HSPA 800/850, 900, AWS 1700, 1900, 2100 MHz	
	WiFi	802.11 b/g	
	Bluetooth	Bluetooth 4.0	
	Mesh	Zigbee, LoRa	
	GPS	Sensitivity > -165dBm, 3m Accuracy, A-GPS	
	Antenna	Built-in (GPRS, 3G, GPS, Zigbee, Bluetooth, LoRa)	
	SIM Card	Built-in	
General	Input Voltage	5 VDC (micro-USB)	
	Power	0.6 Watt	
	Operating Temperature	-30 °C to 75 °C (-22 F to 167 F)	
	Accelerometer	16g (13-bit resolution)	
	Dimensions (LxWxD)	4.3in (110mm) x 2.6in (66mm) x 1.2in (30mm)	
	Weight	0.4 Lbs (0.18 kg)	
	Certifications	CE, FCC, PTCRB	