

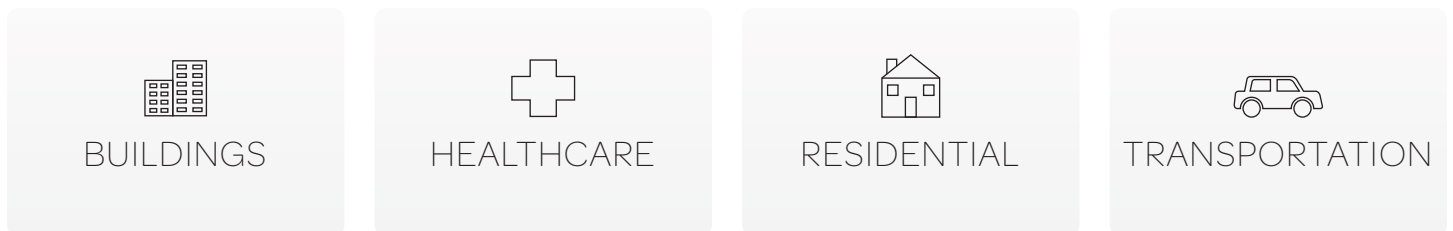


Air quality monitoring... just got **smarter!**



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.



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.	
			Total Response Time	≤ 25 sec.
	TVOC	Effective Range	1 ~ 30 ppm of EtOH	
Sensitivity		0.15 ~ 0.5 Rs (10ppm of EtOH)/ Rs (air)		
Environmental Sensors				
Temperature	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	