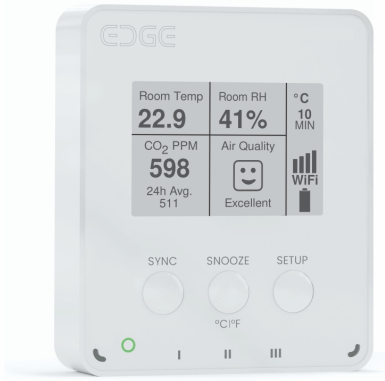


EDGE AIR

Part #: EDWIAR



The LoggerFlex EDGE AIR delivers precise, multi-parameter environmental monitoring for ambient temperature, relative humidity, CO2 concentration, and comprehensive air quality assessment. Leveraging robust Wi-Fi and BLE connectivity, it ensures seamless and secure data transmission to the LoggerFlex Cloud. Equipped with an advanced CO2 Alarm Suite, the EDGE AIR provides immediate alerts for critical CO2 spikes and thresholds associated with long-term exposure. Additionally, its integrated Mold Index Predictor intelligently assesses environmental trends to calculate and mitigate potential mold risk.

Real-time alerts are delivered directly through the device's visual display and audible buzzer, complemented by remote notifications via email, SMS, or phone, ensuring immediate awareness of critical changes. Further enhancing its utility, the EDGE AIR provides advanced reporting capabilities, including intuitive five-stage air quality charting, detailed time-series graphs, and compliance-ready reports. These tools are instrumental in maintaining optimal, healthier indoor environments across diverse applications. Optimized for Wi-Fi environments, the EDGE AIR provides reliable data integration and boasts an extended battery life of up to 2 years, ensuring long-term monitoring with minimal intervention.

Ports Function			Connectivity			Power Supply	
PORT I	PORT II	PORT III	BLE	2.4GHz Wi-Fi	Cellular	Internal	External
Not in Use	Dry Contact / Flood	Not in Use	✓	✓	-	4 x AA replaceable Alkaline	5V DC Standard USB-Charger

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Ambient Temperature	Built-in	Record & Alarm	-10 °C (14 °F)	+60 °C (140 °F)	±0.2 °C (±0 °F)	0.1
Relative Humidity	Built-in	Record & Alarm	0%	99% non-condensing	±1.8% RH (at 25 °C, 10-90%)	1%
CO2 Concentration	Built-in	Record & Alarm	400 ppm	2,000 ppm	±40 ppm + 5% of reading (at 25°C & 50% RH)	1 ppm
Air Quality (VOC)	Built-in	Record & Alarm	5 levels ranging from Excellent	-	-	-

External Sensors								
Sensor	Connection	Configuration	Function	Min Range	Max Range	Accuracy	Resolution	Length
Digital Input (Dry Contact)	Detachable	Optional	Alarm	-	-	-	-	Up to 100 m (330 ft)

Dimensions						Net Weight	
Length		Width		Height		Grams	Oz
104 mm	4 3/32"	88 mm	3 15/32"	30 mm	1 3/16"	230	8.1

Operation	
Feature	Specification
Operation Temperature range	-10 °C (14 °F) to +60 °C (140 °F)
Display Update Temperature Range	0 °C (32 °F) to +50 °C (122 °F)
Internal Memory Capacity	49,000 Record of each measured Parameter
Recording interval	1 to 30 minutes
Syncing interval (sending data to the cloud)	Real-time Alarms - 10 minutes to 7 days

Network Interface & Certifications		
Interface	Specification	FCC ID
Wi-Fi	IEEE 802.11 b/g/n – 2.4 GHz	2AC7Z-ESPWROOM32