

EDGE

EDGE Air Cellular

 Part **EDCLAR**

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 cellular connectivity, it ensures seamless and secure data transmission to the LoggerFlex Cloud across diverse installation environments. 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.



At a glance


MEASURES

Ambient Temperature, Relative Humidity, CO2 Concentration, Air Quality


CONNECTIVITY

WiFi 2.4 GHz · LTE-M / NB-IoT · Bluetooth LE


BATTERY LIFE

Up to 2 years on 4 × AA


INTERNAL MEMORY

49,000 records of each measured parameter


RECORDING INTERVAL

1 to 30 minutes


INGRESS PROTECTION

IP31

Ports and connectivity

Port I

Not used

Port II

Dry Contact / Flood

Port III

Not used

Connectivity

WiFi 2.4 GHz · LTE-M / NB-IoT · Bluetooth LE

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Ambient Temperature Built-in · Record & Alarm	-10 °C to +60 °C (14 °F to +140 °F)	±0.2 °C (±0.36 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±3% RH (Sensirion SHT40)	1%
CO2 Concentration (Sensirion SCD41 photoacoustic) Built-in · Record & Alarm	400 ppm to 5,000 ppm	±(50 ppm + 2.5% of reading) up to 1,000 ppm; ±(50 ppm + 3%) to 2,000 ppm; ±(40 ppm + 5%) to 5,000 ppm	1 ppm
Air Quality (VOC) Built-in · Record & Alarm	5 levels, Excellent to Dangerous	-	-

— Plug-in sensors

SENSOR		CABLE	
Digital Input (Dry Contact / Flood) Detachable · Optional · Alarm		Up to 100 m (330 ft)	
RECORDING, LF CLOUD AND POWER			
Internal memory	49,000 records of each measured parameter	Net weight	235 g (8.3 oz)
Recording interval	1 to 30 minutes	Operating temperature	-10 °C (14 °F) to +60 °C (140 °F)
Cloud sync interval	10 minutes to 7 days (alarms are sent immediately, whatever the interval)	Display update range	0 °C (32 °F) to +50 °C (122 °F)
Battery life	Up to 2 years on 4 × AA (depending on settings, reception, ambient temperature, battery quality, alarms, buzzer and BLE)	Ingress protection	IP31 (housing, protected against dripping water, not waterproof)
External power	USB-C 5 V DC (supply not included)		
ENCLOSURE AND ENVIRONMENT		WIRELESS AND COMPLIANCE	
Dimensions (L × W × H)	104 × 88 × 30 mm (4 3/32 × 3 15/32 × 1 13/16 in)	Compliance	FCC, IEEE 802.11 b/g, NIST traceable, RoHS, CE (EN 61326-1 and EN 61010-1, 3rd edition)
		WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
		Cellular	LTE with 3G/2G fallback (built-in global eSIM) · Contains FCC ID 2AJYU-8VC0001

Request a quote →

Sold and supported through LoggerFlex distributors. An engineer replies within one business day.

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Product page,
manuals and
LF Cloud
setup