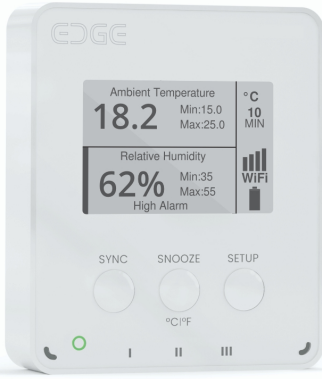


EDGE Essential Cellular

Part #: EDCLES



The EDGE Essential is purpose-built for accurate ambient temperature and humidity monitoring in preservation-sensitive environments such as museums, archives, storage spaces, offices, server rooms, and residential or commercial buildings.

With optional door and flood sensors, mold risk notifications, and seamless WiFi or cellular connectivity, it enables early detection of unfavorable conditions and supports long-term environmental tracking for mold prevention, utility consumption audits, and usage analysis across agricultural, residential, and commercial settings. Tool-free installation, adjustable sampling intervals, and a powerful cloud platform make EDGE Essential a dependable solution for everyday monitoring without the complexity of external probes or certification requirements.

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 batteries	5V DC Standard USB-Charger

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Ambient Temperature	Built-in	Record & Alarm	-20 °C (-4 °F)	+70 °C (158 °F)	±0.2 °C (±0.36 °F)	0.1 °C (0.18 °F)
Relative Humidity	Built-in	Record & Alarm	0%	99% non-condensing	±1.8% RH (at 25 °C (77 °F), 10-90%)	1%

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

Dimensions						Net Weight	
Length		Width		Height		Grams	Oz
104 mm	4 3/32"	88 mm	3 15/32"	30 mm	1 3/16"	233	8.2

Operation	
Feature	Specification
Display Update Temperature Range	0 to +50 °C (32 to 122 °F)
Internal Memory Capacity	49,000 Record of each measured Parameter
Recoding 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	2.4 GHz	2AC7Z-ESPWROOM32

Network Interface & Certifications

Interface	Specification	FCC ID
Cellular LTE-M & 2G (all band - Global) *	All band - Global	2AJYU-8VC0001