EDGE

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.

At a glance

MEASURES
Ambient Temperature, Relative Humidity, Digital Input

CONNECTIVITY
WiFi 2.4 GHz · LTE · Bluetooth LE

BATTERY LIFE
About 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 · Bluetooth LE

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Ambient Temperature Built-in · Record & Alarm	-20 °C to +70 °C (-4 °F to +158 °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%

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
Recording interval	1 to 30 minutes
Cloud sync interval	10 minutes to 7 days (alarms are sent immediately, whatever the interval)
Battery life	About 2 years on 4 × AA (depending on settings, reception, ambient temperature, battery quality, alarms, buzzer and BLE)
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	104 × 88 × 30 mm (4 3/32 × 3 15/32 × 1 3/16 in)
Net weight	233 g (8.2 oz)
Display update range	0 to +50 °C (32 to 122 °F)
Ingress protection	IP31 (housing, protected against dripping water, not waterproof)

WIRELESS AND COMPLIANCE

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 (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