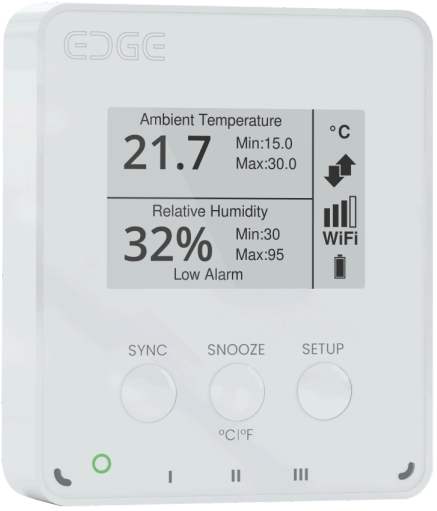
LOGGERFLEX
Data acquisition & Monitoring Solutions



USER MANUAL

EDGE Essential Cellular

Quick Start Guide & Device Reference

Part No. **EDCLES** WiFi LTE BLE

Contents

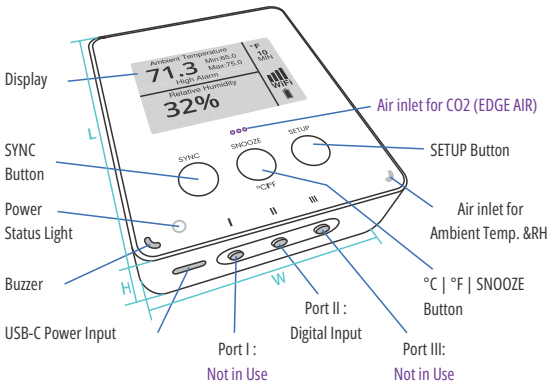
01 What's in the Box

02 Step-by-Step Setup Guide

- Create Account & Register Device
- Connect to the Internet
- Read Display & Ports
- Buttons, Alarms & Daily Use

1 What's in the Box

- ✓ 1 × EDGE Data Logger
- ✓ 1 × Mounting sticker
- ✓ 4 × AA batteries (pre-installed)



Device Overview

2 Step-by-Step Setup Guide

Follow these instructions to register your device, get it connected to the internet, and understand its daily operation.

1 Create Account & Register Device

- Go to **app.LoggerFlex.com** or Scan the QR on the display.
- Create and verify your account.
- If using a mobile device, log in and scan the QR code on the device screen again to auto-fill the Serial Number and DUID, or enter them manually.

Why register first?

The system will guide you through step-by-step configuration (recording intervals, sync intervals, alarm thresholds) and ensure the device can successfully connect to the LoggerFlex cloud when it comes online.

2 Connect to the Internet

Cellular Connection

Your device connects to the internet via its built-in global eSIM. No SIM card is required.

1. Simply press the SYNC button (left button) to attempt a connection.
2. The device will automatically connect to the best available cellular network in 173 countries.
3. Comes with unlimited data under a LoggerFlex subscription.

WiFi Redundancy (Optional)

You can also configure WiFi as a redundancy with automatic rollover. If there is no WiFi it connects via cellular, and when WiFi returns it automatically switches back.

1. Press the SETUP button (right button).
2. Connect your phone/PC to the "Datalogger" WiFi network.
3. A setup page will open. (If not, navigate to 8.8.8.8 in your browser).
4. Choose your 2.4 GHz WiFi network and enter the password.

3 Read Display & Ports

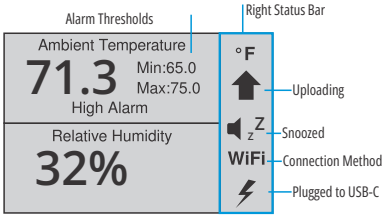
Port I & Port III (Not in Use)

These ports are disabled for EDGE Essential and EDGE Air models.

Port II (Digital Input)

Digital input for dry contact sources (not included), such as a door sensor, flood sensor, or external fridge alarm. Uses a 2-pole terminal to 3.5 mm (1/8 in) audio jack adapter.

The display updates at each recording interval (not between 2 readings). It pauses updates below 0°C (32°F) to preserve screen performance.



4 Buttons, Alarms & Daily Use

Button Functions

Left (SYNC): Instantly sends data to the cloud.

Middle (°C/°F/SNOOZE): Tap to toggle units. Tap during alarm to snooze buzzer. Hold for advanced metrics.

Right (SETUP): Activates WiFi hotspot for configuration.

Alarms & Notifications

Delivery: Email (Free), SMS, Phone Call, Audible Beep.

Triggers: High/Low limits, Mold risk, Port II contact closure, power loss/restoration.

Action: Alarms trigger an immediate upload. While the alarm lasts the device records every minute, uploads every hour and beeps once a minute; a return to range is reported within about 60 seconds.

Status Icons: Top to bottom: Measuring Unit, Recording Interval, BLE/Mute icon, Signal Strength, Connection Type, Battery Level.

Power: Runs on 4 × AA batteries or USB-C 5V. Device automatically switches based on availability.

BLE Support: Both models broadcast BLE for real-time local viewing. A LoggerFlex Gateway is required to capture BLE data, but is NOT required for standard logging and alarms (which use WiFi/Cellular).