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# EDGE THERMO

## DATALOGGER & ALARM



### Monitoring with Compliance, Reliability, and Smart Alerts

The EDGE offers a powerful solution for precise, real-time environmental monitoring, built for compliance-critical industries such as pharmaceuticals, vaccine storage, cold chain, food service, and building automation.

With cutting-edge connectivity and a robust cloud platform, EDGE is **NSF/ANSI 456** compliant and designed for ease of use, accuracy, and reliability.



### Sensors & Monitoring



2 x Temp Probes



Ambient Temperature



Relative Humidity



Power Disruption



Digital Input



Mold Index



Location Cellular Only

- Integrated Ambient Temperature and Relative Humidity Sensor.
- Two (2) External Digital Temperature Probe Inputs (1.5m, 5ft.).
- Optional NIST-Traceable Calibration Certificate for External Probes.
- One (1) Digital Input (Dry Contact) for Door Magnet or Flood Sensor.
- Up to 2 years battery life (4 x AA replaceable Alkaline)

### Real-time Alarms

- High & Low Temperature and Humidity alarms for All Four Channels.
- Power Interruption and Restoration Alarms.
- Flood Detection, Door Magnet or Dry contact Real-Time Alarms.
- Mold Index Calculation and Mold risk Warnings.



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## EDGE's Special Features

### Advanced Monitoring, Alarms, and Seamless Connectivity

Connects directly to WiFi or Cellular (No gateway required)  
 Alarms via Email, SMS, Phone Call  
 Power Disruption and Re-connection Notification  
 NSF/ANSI 456 compliant Audible and Visual alarms  
 Supports NIST-traceable calibration with automatic expiration alerts  
 Real-time BLE streaming  
 Automatic WiFi-to-cellular rollover (in Cellular model)  
 Works on 4xAA batteries (up to 2 years) or USB-C power  
 Super user-friendly setup with QR scan

### Display & Interface

Graphical e-paper screen shows:

- Real-time data
  - Active alarms
  - Battery, Connection and power status
  - NIST certificate expiration
- Audible and visual alarms directly on device.

## Technical Specifications

## LoggerFlex Cloud Platform

### Powerful Web App with Compliance-Built Features

Automatic Temperature Logbook  
 FDA CFR21 Part 11 Compliance  
 Secure, untamperable activity log  
 Time-stamped user activity and alarm acknowledgments  
 Professional Reporting with:

- Min/Max records
- MKT (Mean Kinetic Temperature)
- Graphs and analytics
- Geographical Management (Map View)

Dedicated Mobile & Desktop Interfaces  
 Team Sharing & Role-Based Access Control

### Connectivity

WiFi for continuous cloud sync and Real-time alarms  
 BLE for smooth real-time data broadcast  
 Cellular with automatic WiFi failover. (Cellular model)

Designed to meet the performance requirements of the NSF / ANSI 456 Vaccine Storage Standard.

Built in sensors		Temperature and Relative Humidity (RH)
Operation Temperature range	°C	-20 to +70
	°F	-4 to +160
Temperature Measurement Accuracy		±0.2 °C (±0.36 °F)
Temperature Reporting Resolution		0.1
RH measurement range		0-99% non-condensing
RH Measurement Accuracy		±1.8% RH (at 25 °C, 10-90%)
Interface		Wi-Fi - IEEE 802.11 b/g/n - 2.4 GHz BLE (Bluetooth Low Energy) - 2.4 GHz Cellular LTE-M & 2G (all band - Global) *
Temperature Probes (x2) Measurement Range	°C	-55 to +125
	°F	-67 to +257
Temperature Probes (x2) Measurement Accuracy		±0.5 °C (±0.9 °F)
FCC ID	WiFi	2AC7Z-ESPWROOM32
	Cellular	2AJYU-8VC0001
Power Supply	Internal	4 x AA batteries
	External	5V DC Standard USB-Charger
Display Update Temperature Range Out of this range, display updates are paused	°C	0 to +50
	°F	+32 to +122
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

\* Cellular model - with global e-sim



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