

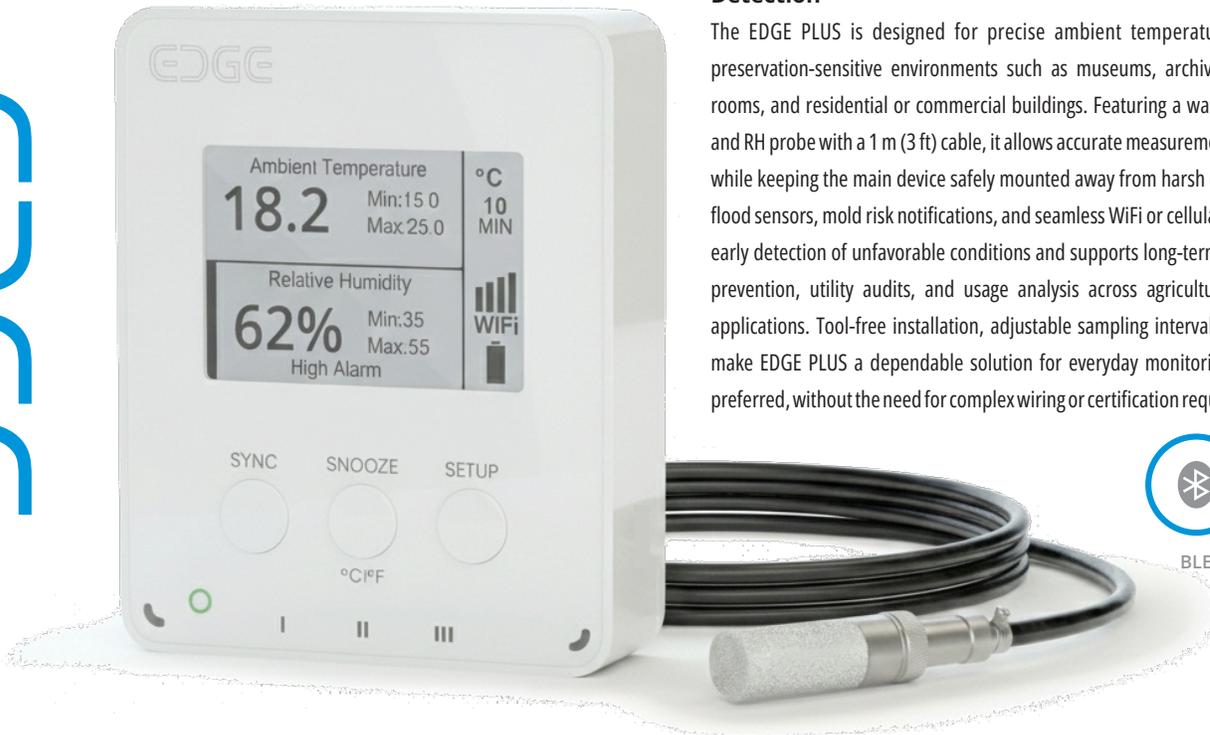
EDGE PLUS

DATALOGGER & ALARM

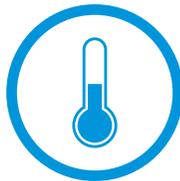


Reliable Ambient Monitoring with Smart Alerts and Mold Risk Detection

The EDGE PLUS is designed for precise ambient temperature and humidity monitoring in preservation-sensitive environments such as museums, archives, storage areas, offices, server rooms, and residential or commercial buildings. Featuring a water-resistant external temperature and RH probe with a 1 m (3 ft) cable, it allows accurate measurements directly at the point of concern while keeping the main device safely mounted away from harsh conditions. With optional door and flood sensors, mold risk notifications, and seamless WiFi or cellular connectivity, EDGE PLUS enables early detection of unfavorable conditions and supports long-term environmental tracking for mold prevention, utility audits, and usage analysis across agricultural, residential, and commercial applications. Tool-free installation, adjustable sampling intervals, and a powerful cloud platform make EDGE PLUS a dependable solution for everyday monitoring where probe-based sensing is preferred, without the need for complex wiring or certification requirements.



Sensors & Monitoring



Ambient Temperature



Relative Humidity



Power Disruption



Mold Index



Location
Cellular Only

- External Temperature and Relative Humidity Sensor.
- **Calculates:** Feels Like Temperature, Dew Point, Vapor Pressure (VP), Vapor Pressure Deficit (VPD), and Mold Index
- Water resistance sensor pocket with 1 meter (3 ft.) long cable.
- Up to 2 years **battery life** (4 x AA replaceable Alkaline)

Real-time Alarms

- High & Low Temperature and Humidity alarms.
- Power Interruption and Restoration Alarms.
- Mold Index Calculation and Mold risk Warnings.



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
Audible and Visual alarms
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

Audible and visual alarms directly on device.

LoggerFlex Cloud Platform

Powerful Web App with Compliance-Built Features

Continuous recording at short, adjustable intervals
Comprehensive reports including Min/Max and Peak Points
Specialized VPD reporting for agricultural monitoring
Data consolidation and analysis across multiple devices
Tamper-proof activity logs with time-stamped alarm
Interactive graphs and long-term trend analysis
Geographical device management via map view
Accessible on both mobile and desktop devices
Team collaboration with 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)

Technical Specifications

sensors		Temperature and Relative Humidity (RH)
Operation Temperature range	°C	-20 to +70 (Probe only: -40 to +125)
	°F	-4 to +160 (Probe only: -40 to +257)
Temperature Measurement Accuracy		±0.1 °C (±0.36 °F)
Temperature Reporting Resolution		0.1
RH measurement range		0-99% non-condensing
RH Measurement Accuracy		±1.5% 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) *
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
Recording 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

