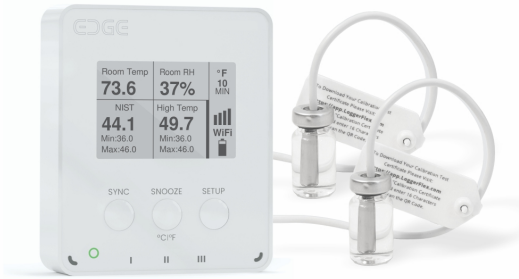


# EDGE Pharma Cellular

Part #: EDCLPH



The EDGE Pharma Cellular + WiFi Datalogger & Alarm is an advanced IoT monitoring solution meticulously engineered to meet stringent compliance requirements within pharmaceutical, vaccine, and cold chain applications. It comes equipped with two (2) NIST-traceable external temperature probes, providing reliable, audit-ready accuracy that adheres to NSF/ANSI 456 standards. This robust device features comprehensive alarm capabilities, including visible and audible alerts, alongside remote notifications via email, SMS, and phone calls. Designed for dependable deployment, the EDGE Pharma seamlessly connects to existing Wi-Fi networks while also utilizing built-in cellular connectivity for redundancy, ensuring uninterrupted communication without the need for an additional gateway.

Featuring a clear E-INK display, the EDGE Pharma device prominently shows NIST certificate validity on-screen and automatically dispatches email reminders well in advance of expiration. This proactive system ensures continuous compliance with minimal manual oversight. With dual connectivity, powerful cloud features for data logging and reporting, and intelligent alarm handling, EDGE Pharma delivers a comprehensive, worry-free solution for critical temperature monitoring scenarios.

NIST certification is valid for 3 years in use (or 5 years on shelf), and renewal is streamlined by simply replacing the affordable temperature probes, thereby eliminating the need to replace the entire device.

Ports Function			Connectivity			Power Supply	
PORT I	PORT II	PORT III	BLE	2.4GHz Wi-Fi	Cellular	Internal	External
Temperature Probe	Dry Contact / Flood	Temperature Probe	✓	✓	✓	4 x AA 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 °F)	0.1 °C (0 °F)
Relative Humidity	Built-in	Record & Alarm	0%	99%	±1.8% RH	1%

External Sensors								
Sensor	Connection	Configuration	Function	Min Range	Max Range	Accuracy	Resolution	Length
Temperature Probe w NIST	Detachable	Included	Record & Alarm	-20 °C (-4 °F)	+50 °C (257 °F)	±0.5 °C (±1 °F)	0.1	1.5 m (5 ft)
Digital Input	Detachable	Optional	Alarm	-	-	-	-	Up to 100 m (330 ft)
Temperature Probe w NIST	Detachable	Included	Record & Alarm	-20 °C (-4 °F)	+50 °C (257 °F)	±0.5 °C (±1 °F)	0.1	1.5 m (5 ft)

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
Operation Temperature range	-20 °C (-4 °F) to +70 °C (158 °F)
Display Update Temperature Range	0 to +50 °C (32 to 122 °F)
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

Network Interface & Certifications		
Interface	Specification	FCC ID
Wi-Fi	IEEE 802.11 b/g/n – 2.4 GHz	2AC7Z-ESPWROOM32
Cellular	LTE-M & 2G (all band - Global)	2AJYU-8VC0001