

# **TEKTELIC TUNDRA Sensor**

## LoRaWAN® Device for Cold Chain Environment Monitoring

TEKTELIC's TUNDRA Temperature Sensor with external probe is the ideal solution for maintaining optimal and consistent temperatures within cold rooms and refrigerated spaces. The device can be implemented within cold storage such as fridges, coolers, cold rooms and even freezers with minimal impact on battery life or radio signal strength. The Cold Room Temperature Sensor is seamlessly integrated with TEKTELIC's end-to-end IoT solution.

- Restaurants
  - Supermarkets
- Medical Storage
- ets · F
- Food Service Cold Chain
- Pharmaceutical Storage
- Chain · Vaccine Storage
- **Technical and Functional System Specifications**

#### **General System Parameters**

Operational Temperature	-40°C to +85°C	
Ingress Protection	IP67	
Size	67 x 43 x 36 mm	
Battery	C Cell	

### LoRa Parameters

RF Power	EU: 15 dBm NA: 22dBm	
RF Sensitivity	up to -137dBm (SF12, 125kHz)	
ISM Band	All Global ISM Bands	
Antenna	Internal	
LoRa Device Class	Class A	

#### **Regulatory Compliance**

Safety	IEC 60950-1 (CE)		
Regulatory	ETSI EN 300 220		
	ETSI EN 301-489-1/-3		
	FCC 15.247	FCC 15.209	
	RSS-247	RSS-GEN	

Specifications subject to change without notice.



#### **Key Features and Functions**

- → -40° to +85°C Operability
- >>> External Temperature Probe
- Door Open/Close Monitoring
- 10 Year Battery Life
- >> Internal Antenna
- >> Small Form Factor for Diverse Deployments
- >> 125 Days/3000 Entries of Stored Data
- >> Ambient Temperauture & Humidity Monitoring

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TEKTELIC Communications is a premier supplier of best-in-class LoRaWAN® IoT Gateways, Sensors, and Custom Applications. These elements combined provide a powerful end-to-end solution that can be easily, quickly, and cost effectively deployed to address the most demanding IoT challenges.

For more information please visit www.tektelic.com