

# Application Note // Refrigeration Monitoring with EpiSensor



IoT Solutions Partner



EPISENSOR

## Probe Temperature Sensor

Battery powered (up to 10 years battery life) with one or two channels, various probes types available

Temperature (TES-2X)



## Data Logging

Store up to 70,000 data points (2 years @ 15 min intervals) at the edge

## Node Profiles

Configure Modbus communications with 1-click



Modbus (ZMB-3X)



## Accurate to +/- 0.2°C

Lab-grade sensor accuracy with optional UKAS certificates

## IP67 (NEMA4) Enclosure

Water and dust-proof polycarbonate enclosures as standard

## Scalable

Connect up to 100 nodes to each wireless mesh network

## Fully Secure

Security from 'sensor to server' with ZigBee AES 128-bit encrypted communications

EpiSensor Gateway (NGR-30-5)

Based on Dell Edge Gateway 3002



## Expand Easily

Add any other EpiSensor nodes for monitoring Door Status, Humidity, Electricity, Pulse, 4-20mA, etc.

## Calibration

Full field calibration capability with offsets stored on the node



## Modbus

RS-485/Modbus for full bi-directional communications



## Refrigeration Controller

Wide range of models supported from various manufacturers.

Fused disconnect / circuit breaker

Live  
Neutral

Supply Voltage: 65 - 265 VAC