**Manuals+** — User Manuals Simplified.



# KE2therm KE2-EM Plus Edge Manager User Manual
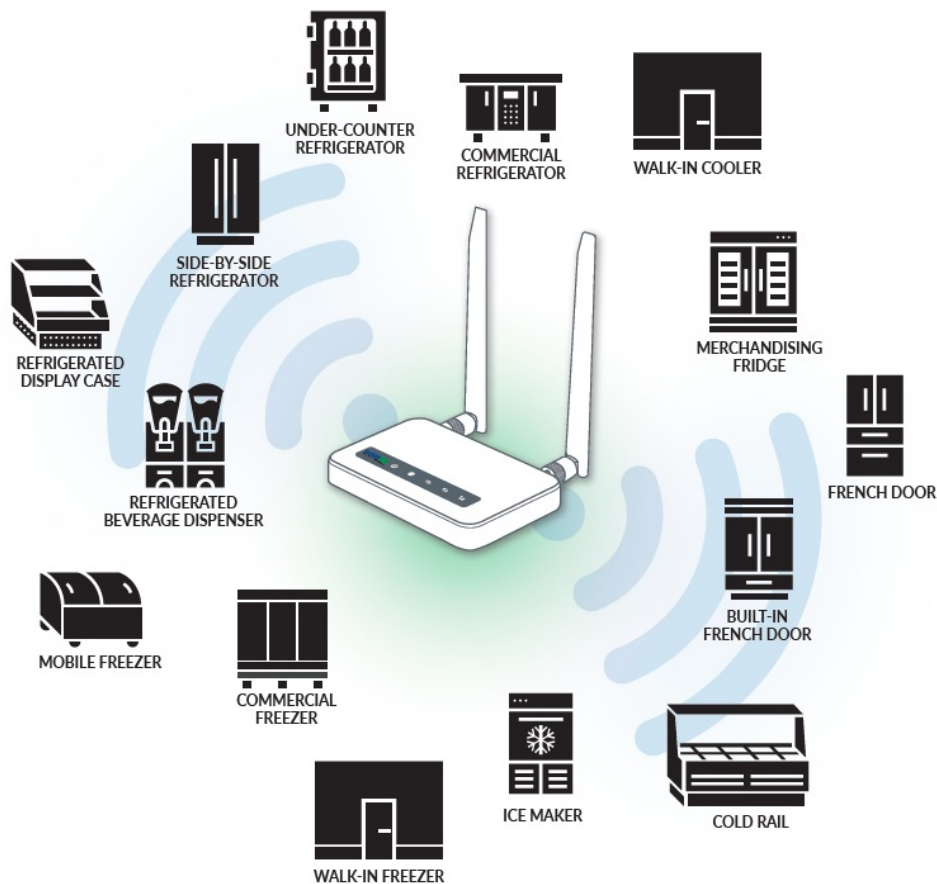
## KE2therm KE2-EM Plus Edge Manager

# Introduction

**The KE2 Edge Manager automatically finds and dashboards up to 35\* KE2 Therm controllers and KE2 Wireless Sensors.**

The KE2 Edge Manager, an advanced communication device with several features that make it unique, including easily creating a common dashboard that integrates KE2 sensor data with in-depth system operational information from KE2 Therm controllers. The KE2 Edge Manager provides real-time data tracking, storing, and uploading. And, while many monitoring options force users to store their data on the provider's "cloud," with the KE2 Edge Manager, local access is FREE – the user owns their data. Plus, accessing the data has never been easier. The KE2 Edge Manager lets users access data locally, on their network, using their own "cloud" portal, or via the secure KE2 Portal.

## Applications

- Walk-ins
- Reach-ins
- Under Counter
- cold Rails
- Commercial Fridge

The KE2 Edge Manager, when used with KE2 Wireless Sensor technology provides the ability to remotely monitor and receive alarm notifications in almost any refrigeration application – from warehouses to walk-ins, reach-ins, cold rails, under-counter, and more.
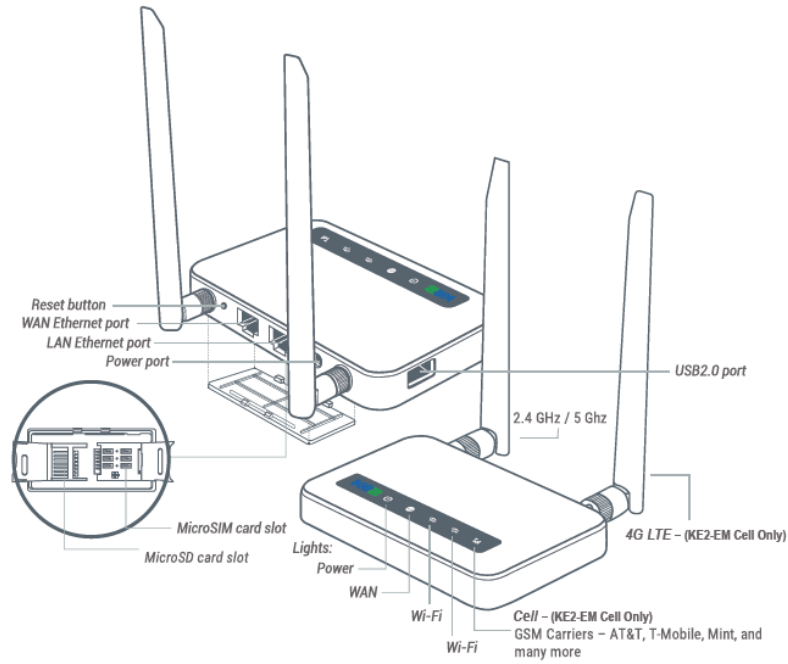


## Features & Benefits

- Automatically provides a real-time dashboard of up to 35*, KE2 Therm con-trollers or KE2 Wireless Sensors
- Prevents food loss
- Data logging – Improves accuracy and eliminates the time and expense of manual tracking
- Detailed graphs with time stamps
- Easy remote access via KE2 Smart-Access or smartaccess.ke2therm.net portal using any Ethernet or wireless device (ex: laptop, desktop, tablet or mobile.)
- Serves as a KE2 Therm BACnet IP gateway
- Wireless tethering or bridging
- Provides a wireless access point
- Configurable location name
- E-mail alarm notifications, real-time access to your data, & escalation (beta)
- Commercial/industrial enclosure
- Wireless range up to 300 ft. (line of sight)
- Hybrid cloud architecture
- Co-location data options
- *Or 32 serial controllers i.e. KE2 Temp

## Specifications & Dimensions

| | |
|---|---|
| **Frequency** | 2.4GHz: 20dBm (11b) Max 5GHz: 20dBm (11a) Max |
| **Protocol** | IEEE 802.11a/b/g/n/ac |
| **WAN/LAN** | 2 x 10/100M |
| **Power Input** | 12V/1.5A |
| **Power Consumption** | <6W |
| **Temperature Range** | -22°F to 150°F (-30°C to 66°C) |
| **Dimension/Weight** | 4.53 x 2.91 x 0.87 Inches/3oz 115 x 74 x 22mm / 86g |

## KE2-EM Plus Layout

Reset button
WAN Ethernet port
LAN Ethernet port
Power port

USB2.0 port

2.4 GHz / 5 Ghz

MicroSIM card slot

MicroSD card slot

Lights:
Power

WAN

Wi-Fi

Wi-Fi

4G LTE – (KE2-EM Cell Only)

Cell – (KE2-EM Cell Only)
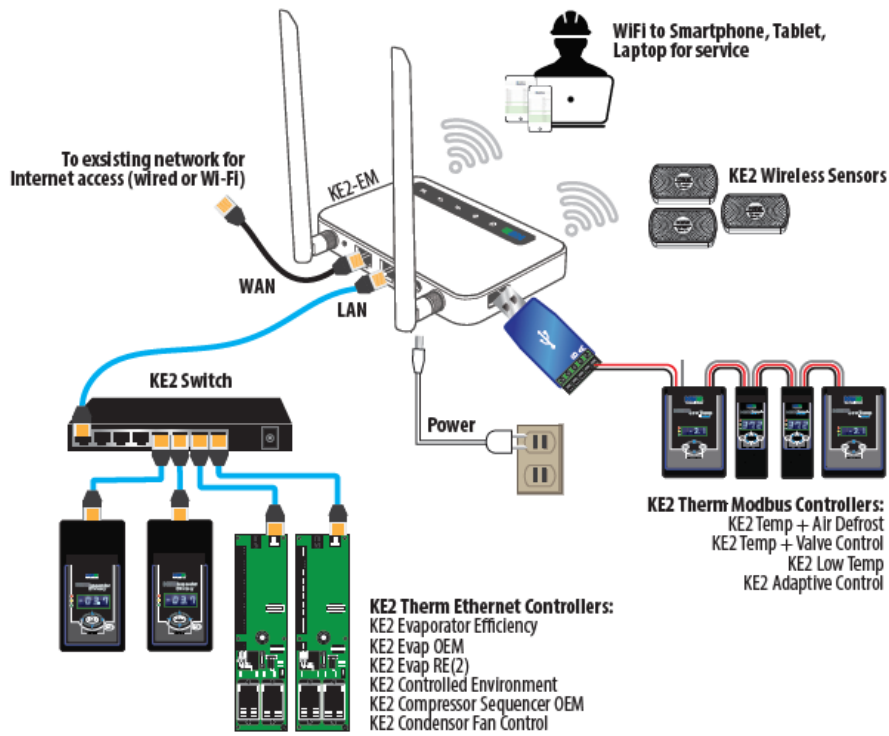GSM Carriers – AT&T, T-Mobile, Mint, and many more

## KE2 Edge Manager & KE2 Wireless Sensors Description and Part Numbers

| Description | Part Number |
|---|---|
| **KE2 Edge Manager KE2-EM Plus** | 21902 |
| **KE2-EM Plus w/BACnet** | 21920 |
| **KE2-EM Plus Mounting Bracket** | 21924 |
| **KE2 Wireless Sensor** | 21632 |
| **KE2 Wireless Sensor w. Remote Probe** | 21633 |
| **KE2 Wireless Sensor** *(10 Pack)* | 21687 |
| **KE2 Wireless Sensor w. Remote Probe** *(10 Pack)* | 21688 |
| **Replacement USB to RS-485 Adaptor** | 21354 |

## General Wiring Diagram/Layout

## Documents / Resources



**KE2therm KE2-EM Plus EdgeManager** [pdf] User Manual
KE2-EM Plus EdgeManager, KE2-EM Plus, EdgeManager

## References

- **KE2 - SmartAccess - Portal**
- **ke2therm.com**