lumos
CONTROLS
A WISILICA BRAND

Iris E
WED-W-E
Edge Gateway

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FCC ID: 2AG4N-WED-W-E

CE  RoHS COMPLIANT  REACH COMPLIANT

# Iris E

Edge Gateway

CE  RoHS COMPLIANT  REACH COMPLIANT  DLC QPL LISTED  openADR ALLIANCE

# Product overview

Lumos Controls  Iris E facilitates the data flow between multiple Lumos controls BLE mesh networks and a BMS.  It helps to set up two-way communication between the BMS and Lumos controls mesh networks. This enables Lumos Controls devices to respond to commands from the BMS system and BMS components like HVAC to respond to triggers from Lumos Controls sensors

# Features

- Supports two-way communication between Lumos Controls Mesh networks and BMS
- Connects multiple Lumos Controls gateways to the BMS
- Network connectivity for  Iris E can be established using Wi-Fi or ethernet
- Supports 2.4 and 5GHz Wi-Fi bands

# Specifications

### Electrical

| Specifications | Value |
|---|---|
| Input voltage | 5VDC |
| Input current | 3A |

### Mechanical

| Specifications | Value | Remarks |
|---|---|---|
| Dimensions | 3.93 x 3.25 x 1.28in (100 x 82.7 x 32.5mm) | L x W x H |
| Net weight | 143gm(5.04oz) | |
| Case material | SS | |

### Environmental

| Specifications | Value |
|---|---|
| Operating temperature | 0 to 50ºC (32 to 122ºF) |
| Case temperature | 50ºC (122ºF) |
| Relative humidity | 20-90% |

# Interface description



GREEN
Device Status

Red
Power Status

Power ON device
with 5VDC Adapter

Ethernet

| Ethernet LED color | Indication |
|---|---|
| Yellow | Initiating connection with network |
| Green | Data transfer |

## Light Blinking pattern

The light blinking status enables users to know the current state of the device.

→

| Iris E State | LED pattern | |
|---|---|---|
| Initializing | Solid ON | |
| Configuration Mode | 100ms ON | 100ms OFF |
| Unconfigured/Invalid configuration | 500ms ON | 500ms OFF |
| Waiting for IP | 1sec ON | 1sec OFF |
| Time not configured | 3sec ON | 3sec OFF |
| Critical Error | Fast blink | |
| Device Ready to use | 5sec ON | 5sec OFF |

# Installation
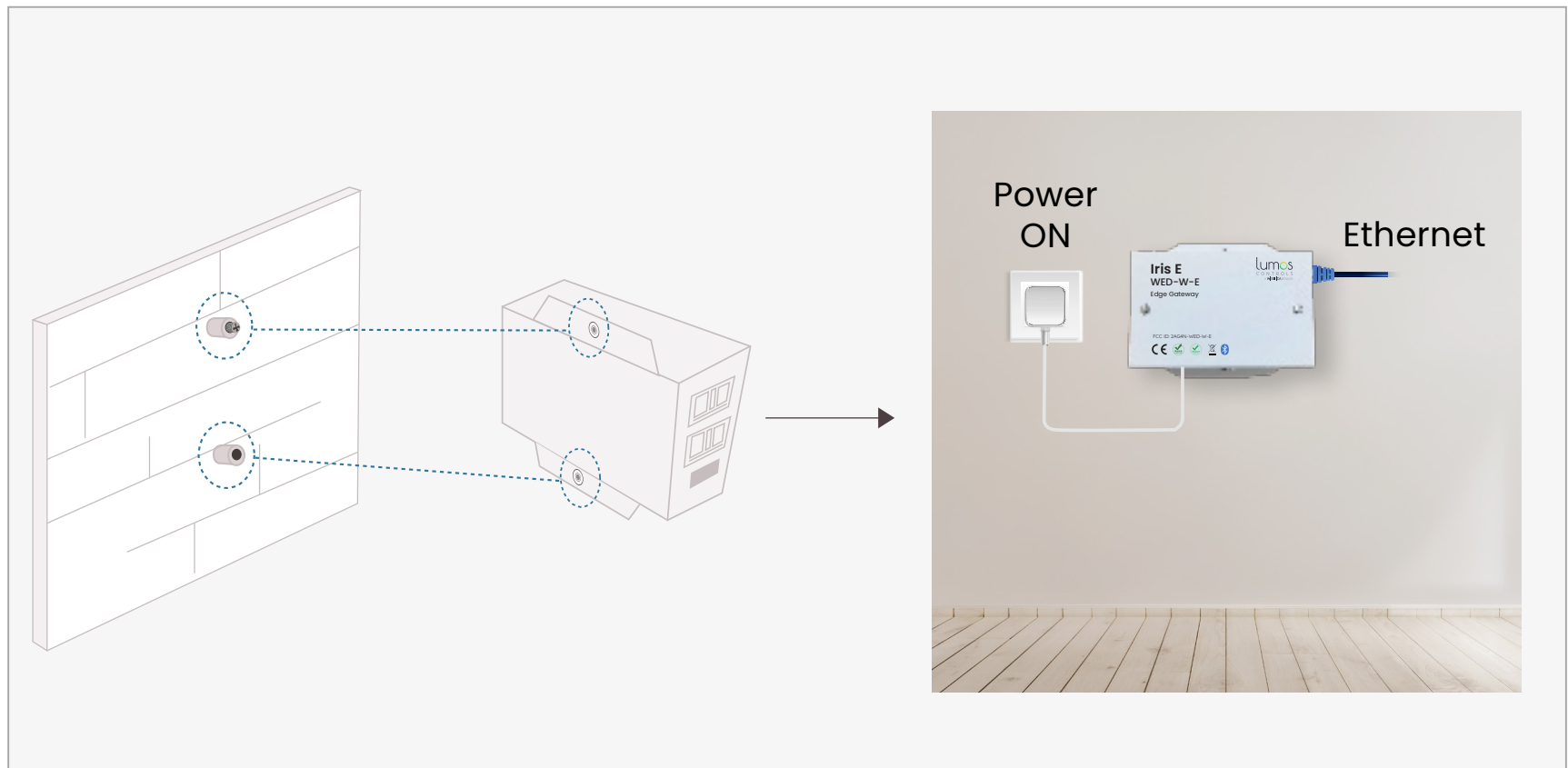
# Lumos Controls BMS integration

## 1). For BACnet Protocols



BACnet over IP
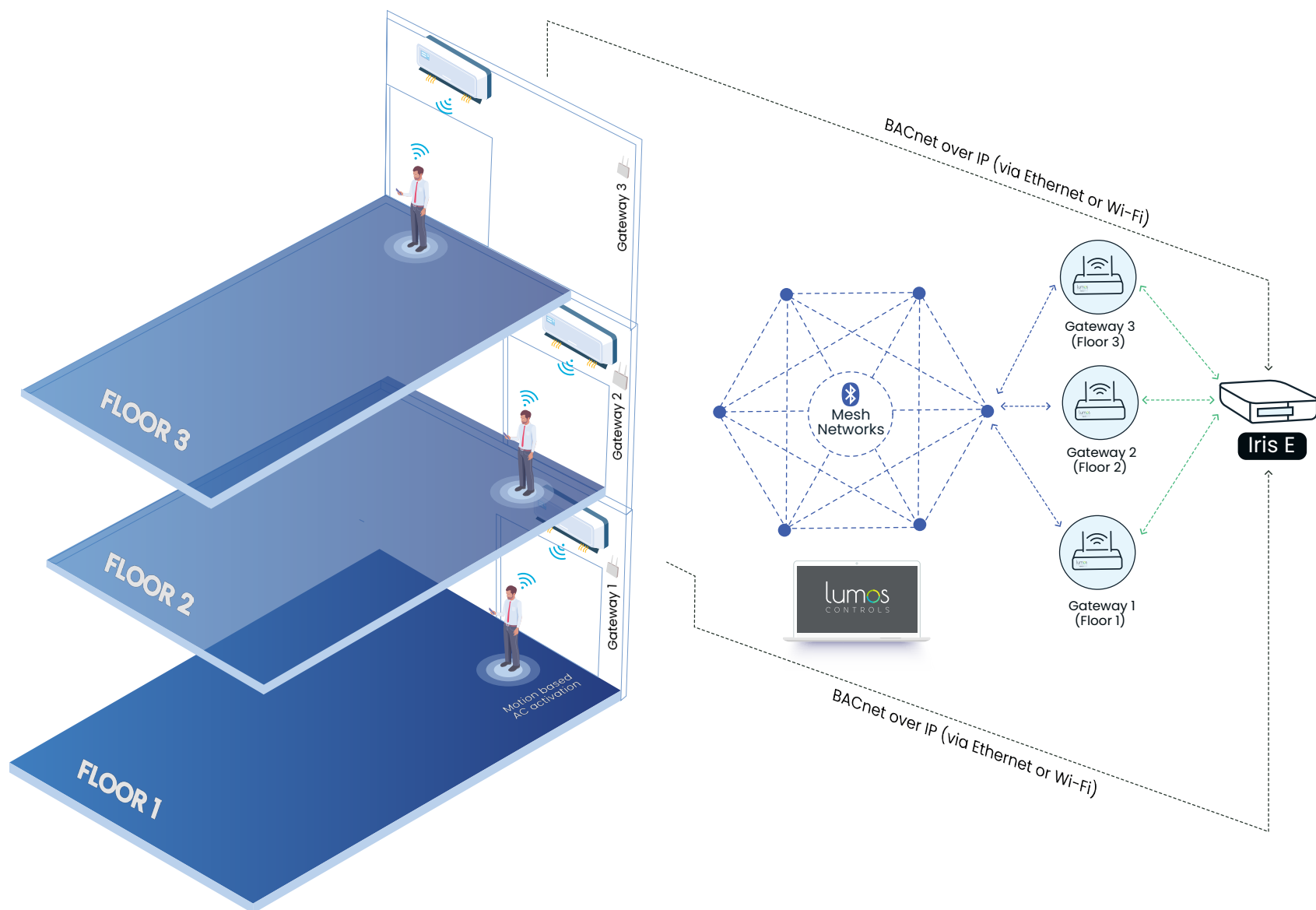(via Ethernet or Wi-Fi)
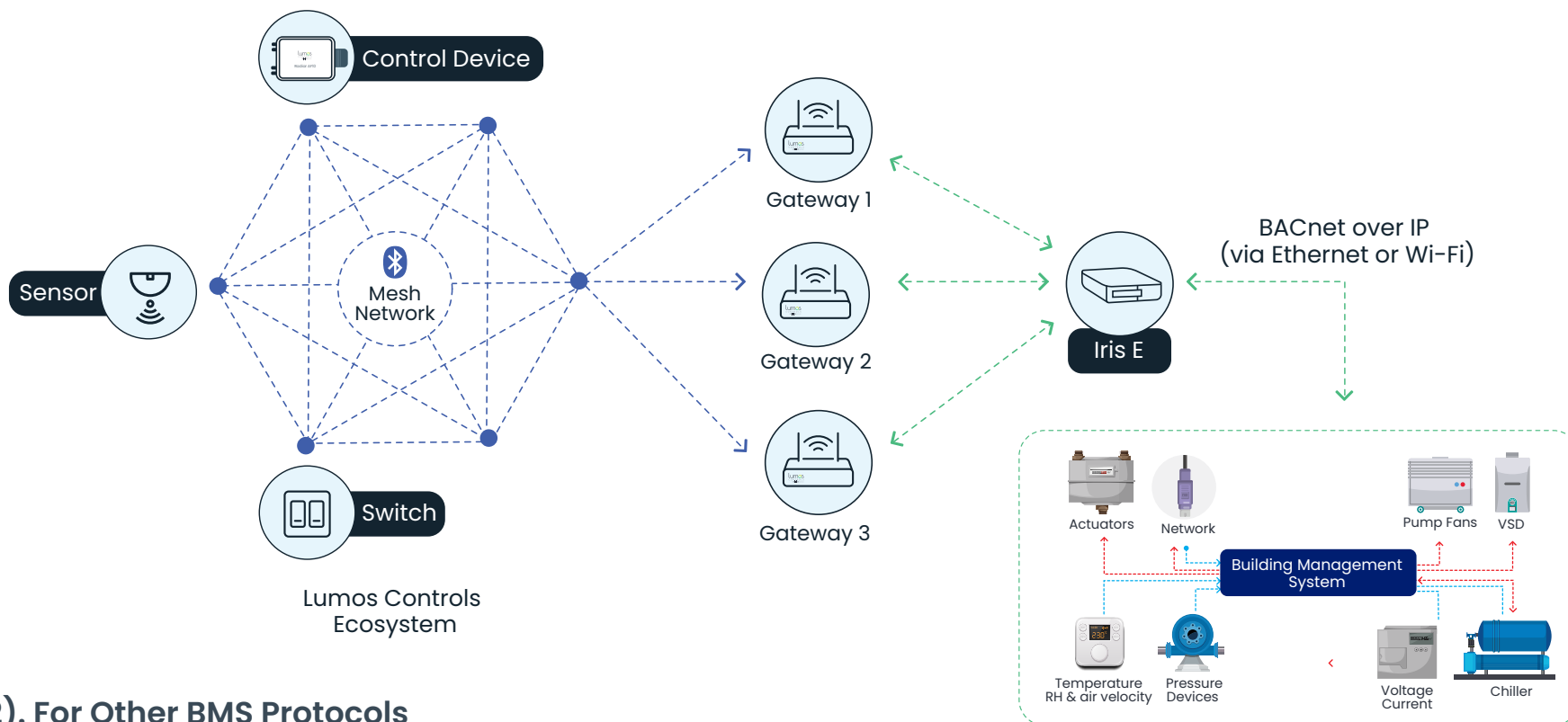
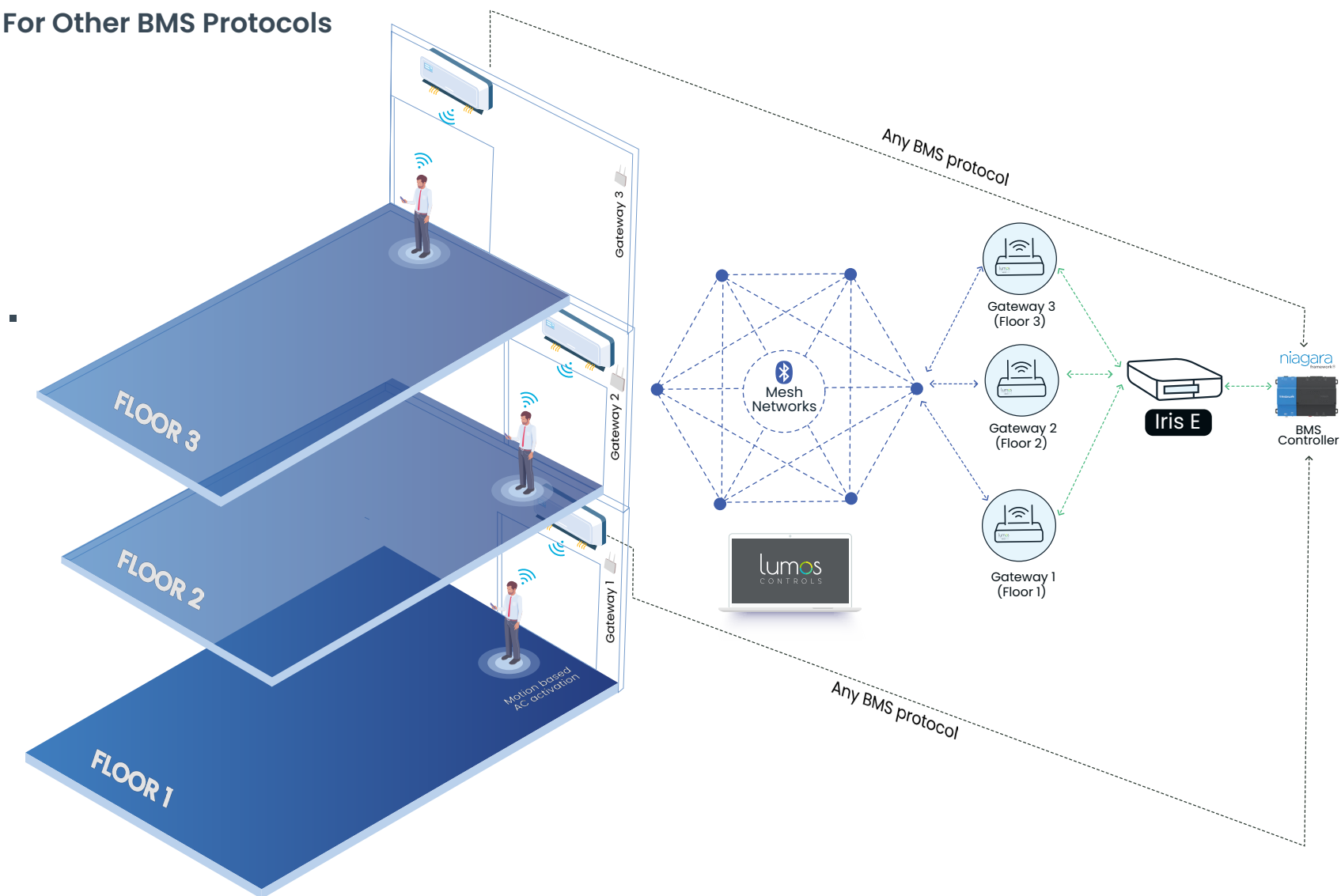## 2). For Other BMS Protocols



Lumos Controls leverages the Niagara framework to seamlessly integrate with 120+ popular BMS protocols.

# Iris E application diagram

## 1). For BACnet Protocols

## 2). For Other BMS Protocols



# Items included in the package box

- Iris E
- User manual
- Adapter
- Screws

# Ordering information

| Product Code | Product Name | Product Description | Communication | Voltage Rating |
| --- | --- | --- | --- | --- |
| WED-W-E | Iris E | Edge Gateway | WiFi or Ethernet | 5VDC/3A |

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**ISO/IEC 27001:2013**
Information security certified

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