



ENOR E

Gateway With Ethernet & RTC

www.lumoscontrols.com



Product Overview

ENOR E is an enterprise gateway providing cloud connectivity to your smart lighting network. The device comes with an Ethernet port that supports zero-downtime Over-the-Air (OTA) firmware updates for mesh devices. RTC delivers highly accurate data on time and date for various end applications.

It is a part of Lumos Controls ecosystem, which includes controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards.

Specifications

Electrical

Specifications	Value	Remarks
Input Voltage	5V	Mini-USB DC Adaptor
Input Current	2A	Mini-USB / DC Adaptor
Input voltage for RTC	3V	CR2032 Coin-Cell Battery

Ethernet

Specifications	Value	Remarks
Speed	10-100MBPS	10/100 Ethernet Port, Supports PoE

Environmental

Specifications	Value	Remarks
Operating Temperature	-20 to 55°C	
Storage Temperature	-20 to 85°C	
Relative Humidity	85%	

Features

- Wi-Fi/BLE 5.2 Gateway providing ubiquitous connectivity to BLE devices
- Support 802.11b/g/n modes
- Unit powered by a mini-USB or a 5V DC adaptor or 'Power over Ethernet' (PoE)
- Single Ethernet port
- CR2032 coin-cell battery powered RTC with 10 years life
- LED indications for power, BLE and WiFi status
- Support Zero downtime Over-the-Air firmware updates for mesh devices

Only applicable for WBTWNER model

WiFi

Specifications	Value	Remarks
Frequency Band	2400-2480MHz	IEEE 802 Part 11b/g/n
Output Power	12-14 dBm	11n, MCS7
	17.5-20 dBm	11b mode

Bluetooth

Specifications	Value	Remarks
Frequency Range	2400-2480 MHz	IEEE 802 Part 11b/g/n
Tx Output Power	8dBm	Conductive
Rx Sensitivity	-92dBm	@1Mbps

Mechanical

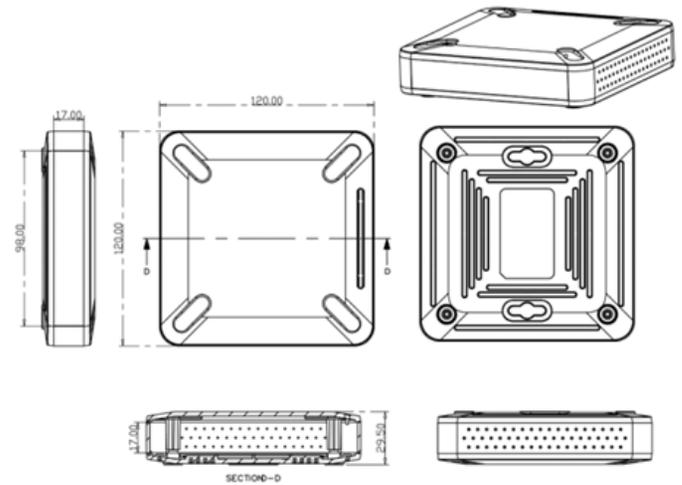
Specifications	Value	Remarks
Dimensions	120.0 X 120.0X 29.5 mm	L x W x H
Dimensions	4.7 X 4.7 X 1.2 in	L x W x H

Operation

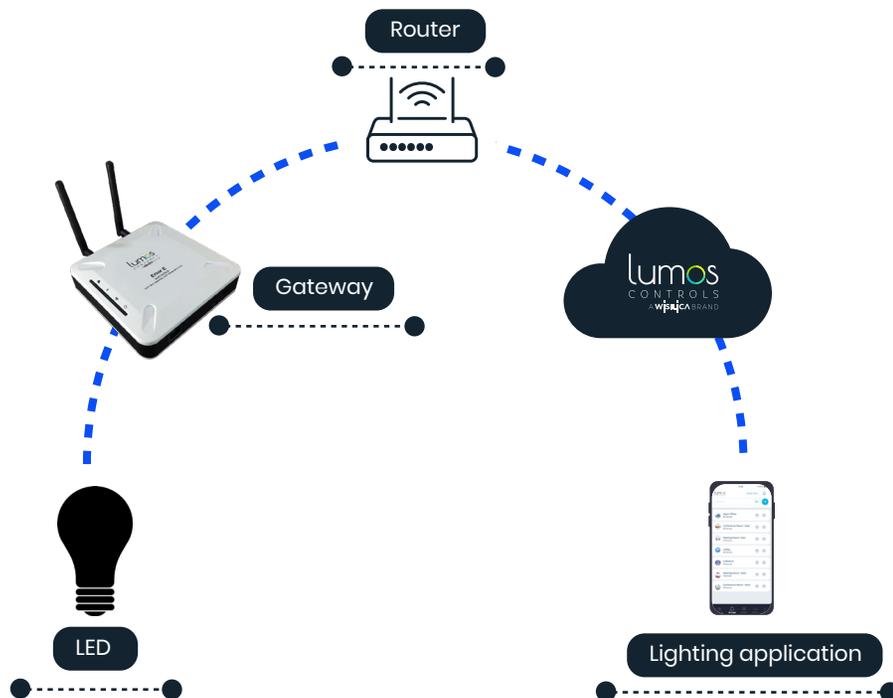
Power the device and device will be ready to be commissioned. Choose the zone from the top right corner in the app to which you want to commission the device. Go to the 'Devices' tab in the app. Click on the + button and choose the option Add device. Click on 'Tap here' and the device will be listed. Press + button corresponding to the device. Enter the security code and configuration details like SSID, password, security type etc. and the device will be successfully commissioned.

Please visit - [Help center](#) for more details

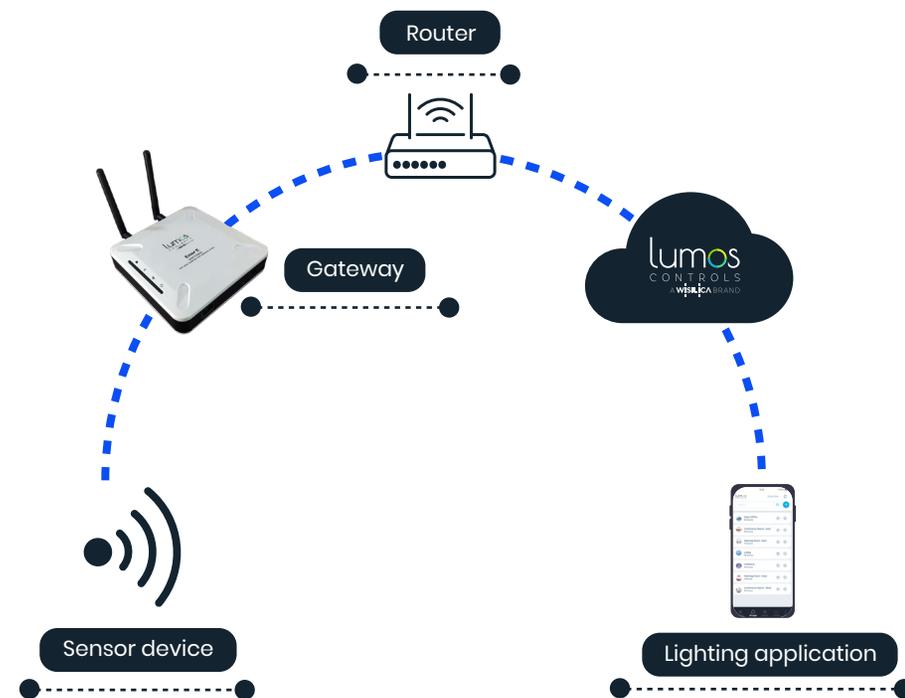
Product Dimensions



Use Case

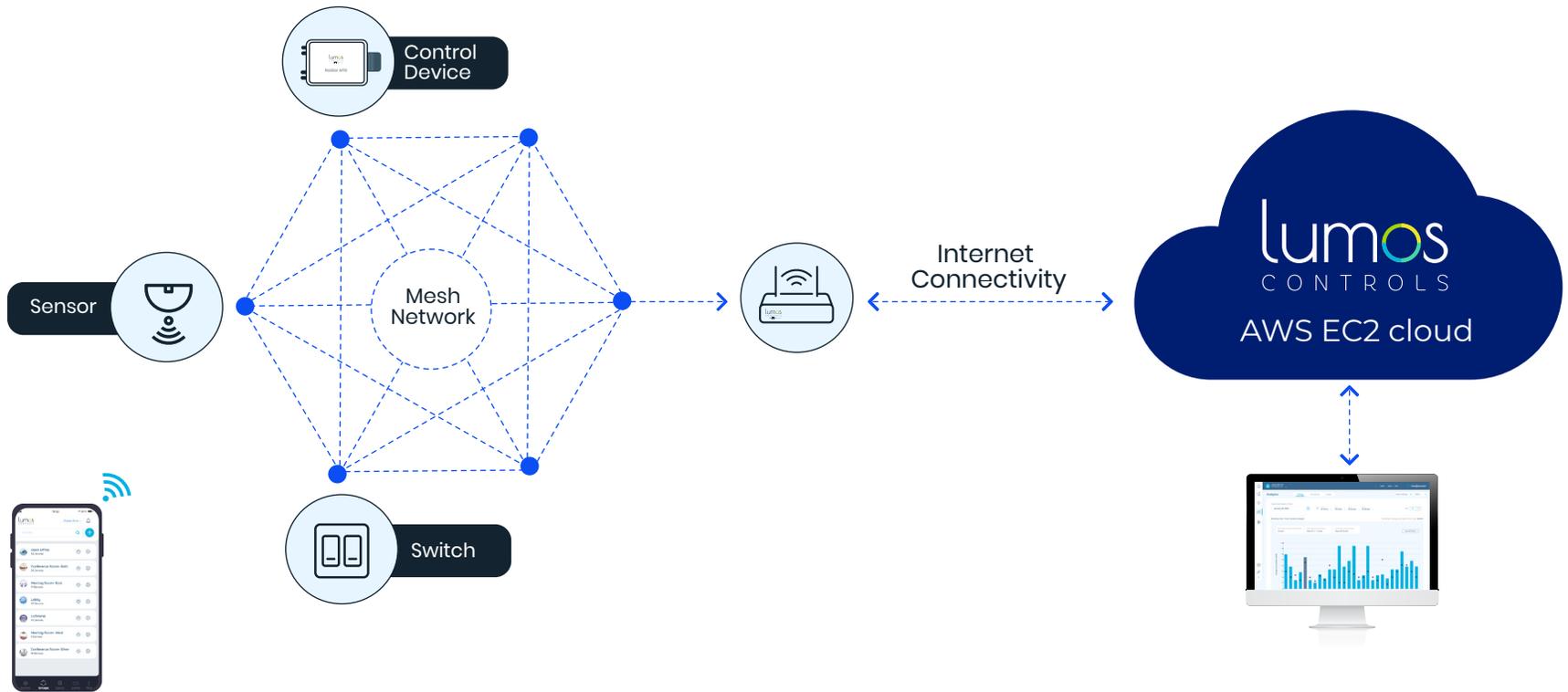


Remote device operation



Sensor data to Cloud

Smart Ecosystem



45m is the device to device communication distance ideally with clear LoS

Certifications	Details
CE	Article 3, RED 2014/53/EU EMC test standards ETSI EN 301 489-1 V2.2.3(2019-11) ETSI EN 301 489-17 V3.2.4(2020-09) EN 55032: 2015/A11:2020 EN 55035: 2017+A11 :2020 Radio test standard: ETSI EN 300 328 V2.2.2 (2019-07) Health test standard: EN IEC 62311: 2020 Safety test standard: IEC 62368-1:2014+A11: 2017
RoHS 2.0	RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU
REACH	Regulation (EC) No 1907/2006 of REACH
WEEE	FCC Rule Part 15C ID:2AG4N-WCA2CSFN
FCC	FCC Rule Part 15C, ID: 2AG4N-WBTWNER

Items included in the package box

Enor E gateway, Stick antenna, Packing box, User manual, Adapter, Screws, Wall plug

Ordering Information

Product Code	Product Name	Communication	Voltage Rating	RTC	Ethernet
WBTWNR	Wi-Fi Gateway with RTC	BLE5.2/Wi-Fi	5V/2A (mini-USB or DC adaptor)	Yes	No
WBTWNE	Wi-Fi - BLE Gateway with Ethernet	BLE5.2/Wi-Fi	5V/2A (mini-USB or DC adaptor)	No	Yes
WBTWNER	Wi-Fi - BLE Gateway with Ethernet and RTC	BLE5.2/Wi-Fi	5V/2A (mini-USB or DC adaptor)	Yes	Yes
WBTWNPR	Wi-Fi - BLE Gateway with PoE and RTC	BLE5.2/Wi-Fi	5V/2A (mini-USB/ DC adaptor/ PoE)	Yes	Yes

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