lumos
CONTROLS
A WISILICA BRAND

Enor E

BLE-WiFi Gateway With Ethernet

Features

- WiFi/BLE 5.2 Gateway providing ubiquitous connectivity to BLE devices*
- Support 802.11b/g/n modes
- Unit powered by a mini-USB or a 5 VDC adaptor
- Single Ethernet port
- LED indications for power, BLE and WiFi status
- AES 128 encryption and decryption support
- Edge processing capability
- Supports TPM(Trusted Platform Module) and digitaly signed binary firmware files
- Supports WiFi security modes WPA/WPA2
- Supports OTA updates from cloud

Specifications

Electrical

Specifications	Value	Remarks
Input power rating	5V/2A	Minimum adaptor rating (Mini-USB / DC Adaptor)
Average current consumption	100mA	
Instantaneous peak current consumption	450mA	

Ethernet

Specifications	Value
Number of ports	1
Data transmission rate	10/100 Mbps

Bluetooth

Specifications	Value	Remarks
Frequency range	2400-2480 MHz	
Max output power	8dBm	
Receive sensitivity	-95dBm	
Connection distance (device to device)	30m(98 ft)	Vary depending on the installation enviornment

WiFi

Specifications	Value	Remarks
Frequency band	2412-2462 MHz	IEEE 802 Part 11b/g/n

Environmental

Specifications	Value
Operating temperature	–20 to 55ºC (–4 to 131ºF)
Storage temperature	–20 to 85ºC (–4 to 185ºF)
Relative humidity	85%

Mechanical

Specifications	Value	Remarks
Dimensions	4.7 x 4.7 x 1.2in (120 x 120 x 29.5mm)	L x W x H

Product Dimensions

1.18in(30mm)

4.7in (120mm)

4.7in(120mm)

4.3in(110mm)

2.7in (70mm)

1.2in (29.5mm)
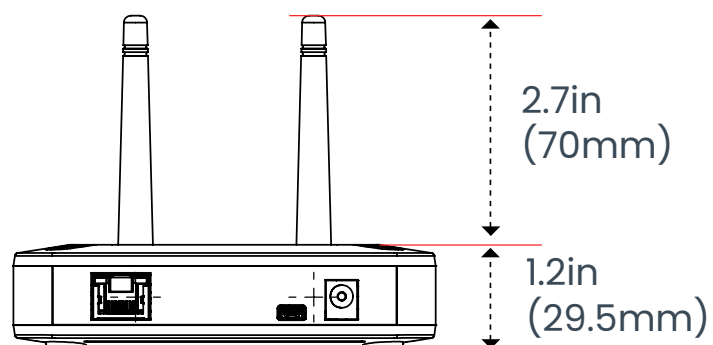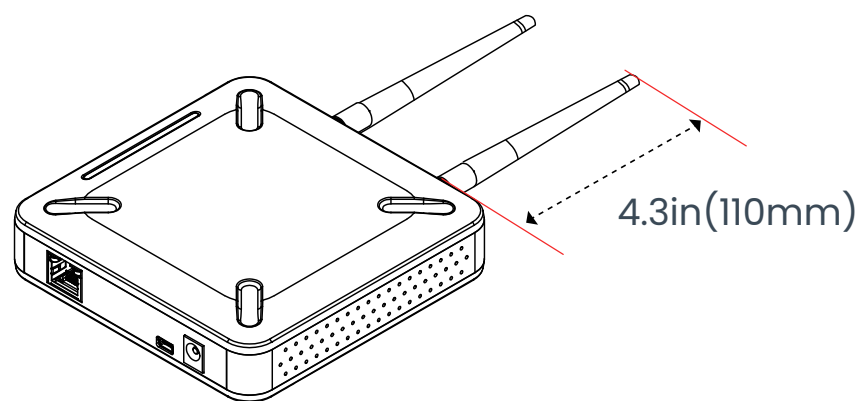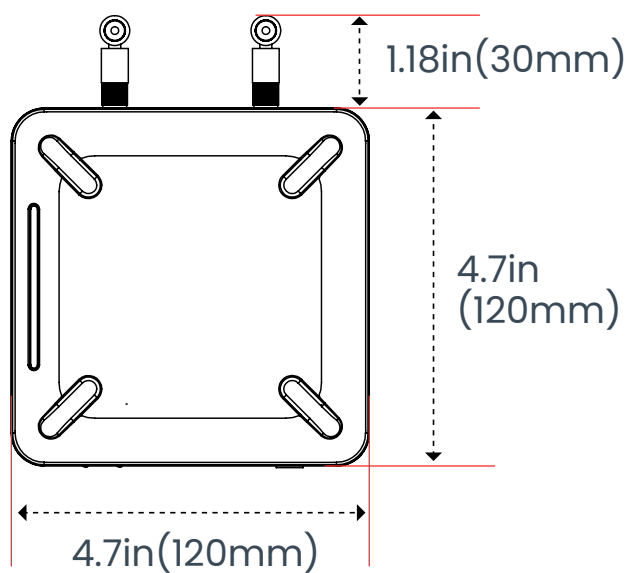
Use Case

Remote device operation

Sensor data to cloud

Interface Description

WiFI Antenna

BLE Antenna

Power Status
-Red LED

Bluetooth Status
-Blue LED

Wi-Fi Status
-Green LED

Ethernet

Mini-USB

5V DC
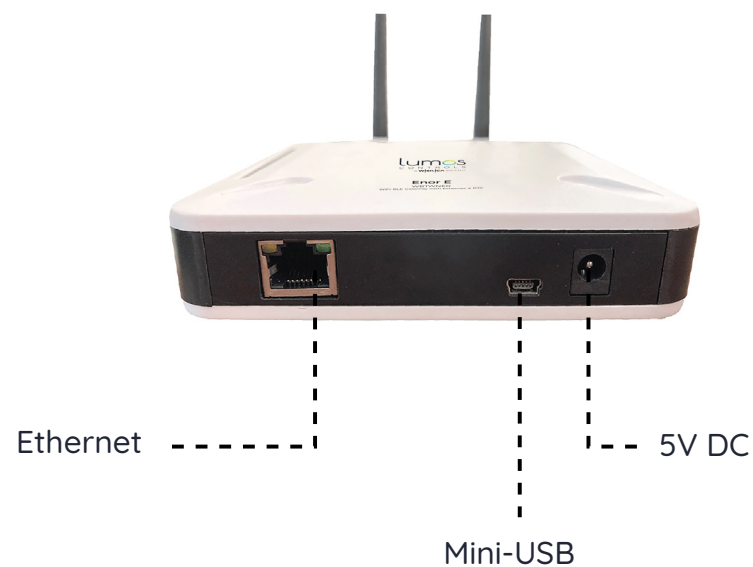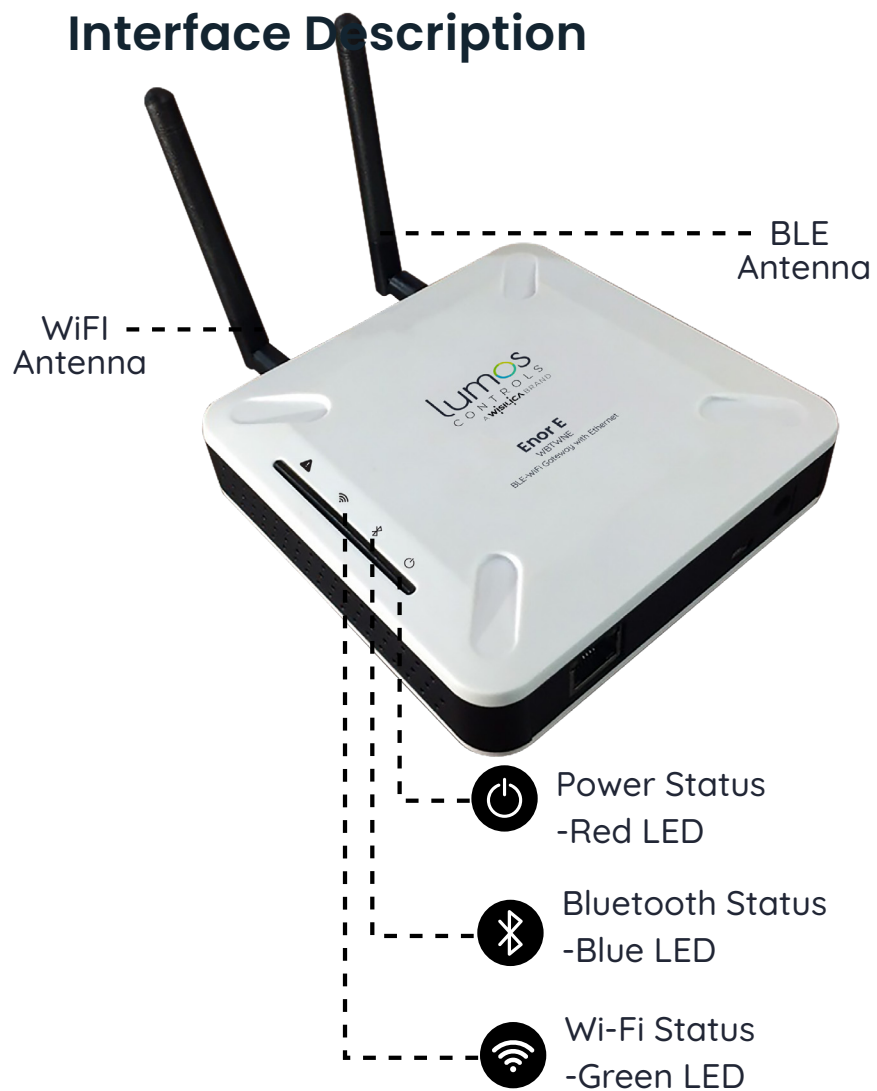
Antenna Information

Stick antenna

Antenna Properties	
Frequency range	2.4GHz–2.5GHz
Impedance	50Ω
VSWR	≤ 1.8
Return loss	≥12dB
Gain(peak)	2dBi
Power handling	10W
Polarization	Vertical
Radiation pattern	Omni–directional

Smart Ecosystem

45m(147.6ft) is the device to device communication distance ideally with clear LoS
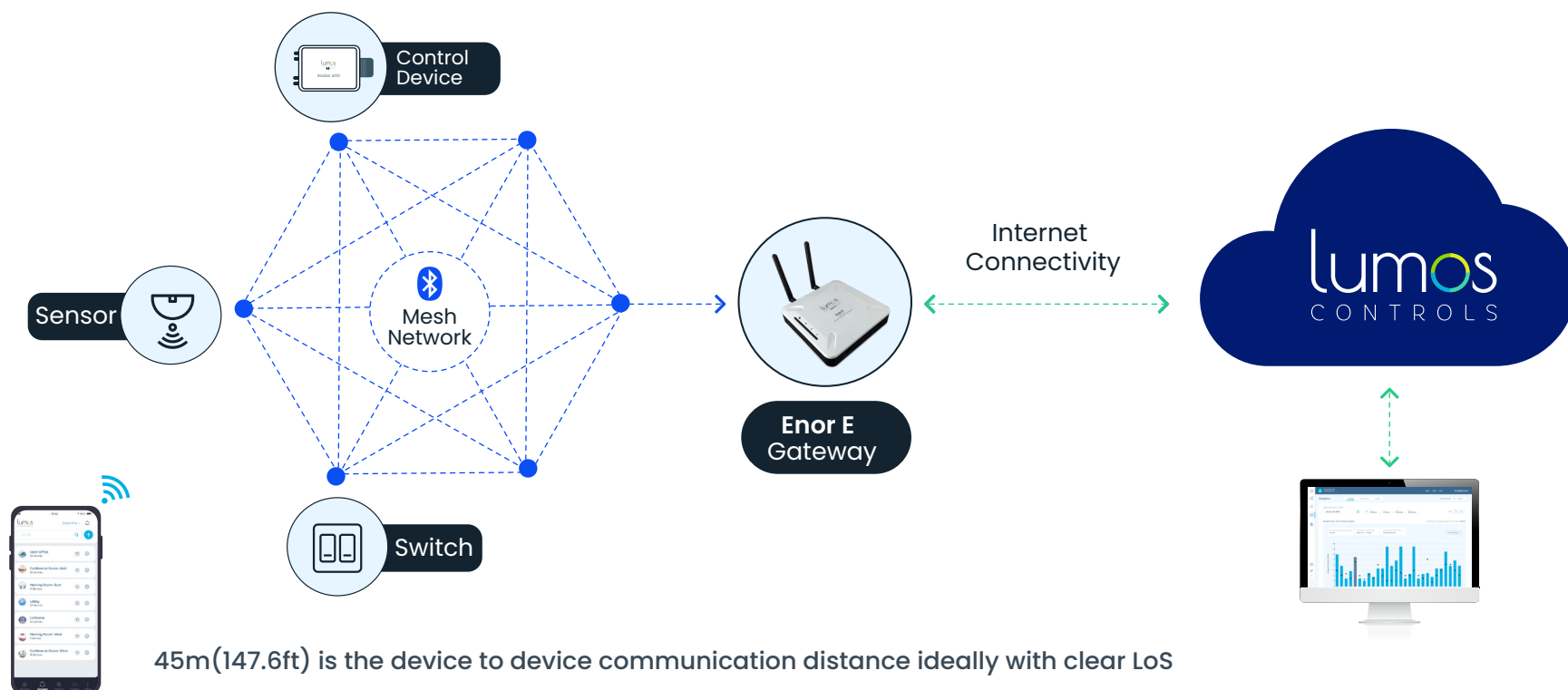
Certifications	Details	
CE	Article 3, RED 2014/53/EU **EMC test standards** ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) EN 55032: 2015/A11: 2020 EN 55035: 2017+A11: 2020	**Radio test standard** ETSI EN 300 328 V2.2.2 (2019-07) **Health test standard:** EN IEC 62311: 2020 **Safety 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	Under the WEEE Directive: 2012/19/EU	
FCC	FCC Rule Part 15C, ID: 2AG4N-WBTWNER	
Bluetooth	Declaration ID: D059551	

Items included in the package box

- Enor E
- User manual
- Stick antenna
- Adapter
- Screws
- Wall plug

Ordering Information

Product Code	Product Name	Product Description	Communication	Input Power Rating	RTC	Ethernet	Variant Type
WBTWNE	Enor E	BLE-WiFi Gateway with Ethernet	BLE5.2/WiFi	5V/2A (mini-USB or DC adaptor)	No	Yes	Custom

lumos CONTROLS A WiSiLiCA BRAND

ISO/IEC 27001:2013 Information security certified

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