



**ZBDongle-E**

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## **Certificate of Compliance**

### **Zigbee 3.0 USB Dongle Plus**



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## Basic Information

Product series	Smart home security
Type	Gateway
Model	ZBDongle-E
Input	5VDC 100mA Max
Stand-by power consumption	31mW
MCU	EFR32MG21
Certification	CE/FCC/RoHS

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## Appearance

Color	Black
Product size	75x25.5x13.5mm
Package size	111x40x17mm
Net weight	30g (with antenna)
Total weight	38g
Casing material	Aluminum Alloy

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## Features

Product introduction	SONOFF Zigbee 3.0 USB Dongle Plus is pre-flashed with Zigbee coordinator firmware. Plug it into the computer/Raspberry Pi, you can use it as a Zigbee coordinator in smart home open source platforms such as Home Assistant, openHAB, etc. Also, you can reflash the firmware and use it as a router to extend the network range.
Supported platforms	Linux, Windows, Raspbian, Ubuntu, macOS

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## Wireless Standard

Zigbee	Zigbee 3.0(IEEE 802.15.4)
Antenna	External Antenna (Manual Installation)
Security mode	WPA/WPA2
Encryption type	AES-128

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## Working Enviroment

Applicable place	Indoor
Working temperature	-10°C ~ 40°C
Working humidity	5%-95% RH, non-condensing
Working height	Less than 2000m

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## FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could avoid the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

## Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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## ISED Notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003(B)

This device complies with RSS-247 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.

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## SAR Warning

Under normal use of condition, this equipment should be kept a separation distance of at least 20 cm between the antenna and the body of the user.

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## WEEE Warning



**WEEE Disposal and Recycling Information** All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government

or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

Scatola	Manuale
PAP 21	PAP 22
Carta	Carta
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## EU Declaration of Conformity

Hereby, Shenzhen Sonoff Technologies Co., Ltd. declares that the radio equipment type ZBDongle-E is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://sonoff.tech/usermanuals>

## For CE Frequency

EU Operating Frequency Range

Zigbee: 2405-2480 MHz

## EU Output Power

Zigbee ≤ 13 dBm

## Technical Specification

Operation Frequency Range (MHz): 2405-2480

RF Output Power (EIRP) (dBm): 8.91

Antenna Gain (dBi): 0

Modulation Type: OQPSK

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 **WARNING**

1. This product is not a toy and not intended for use by children. For adult use only.
  2. The appliance is suitable for moderate climates only.
  3. The ventilation must not be impaired by covering the appliance with items such as newspapers, table cloths, curtains, etc.
  4. Naked flame sources, such as candles, must not be placed on the appliance.
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## More Detailed Tutorials

<https://dongle.sonoff.tech/guide/zbdongle-e/introduction/>

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## Manufacturer Information

Shenzhen Sonoff Technologies Co., Ltd.

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**MADE IN CHINA**

