Zigbee 3.0 USB Dongle Plus – ZBDongle-E

The **Zigbee 3.0 USB Dongle Plus – ZBDongle-E** is a versatile and high-performance USB hub designed to enable Zigbee connectivity for a wide range of smart devices. Ideal for smart home enthusiasts, developers, and professionals, this dongle allows users to create, expand, and manage a **reliable Zigbee network** for home automation, office setups, and industrial environments. With support for Zigbee 3.0, plug-and-play operation, and wide device compatibility, the ZBDongle-E is a robust solution for connecting your Zigbee-enabled devices efficiently.

Universal Zigbee 3.0 Connectivity

The ZBDongle-E supports **Zigbee 3.0**, the latest standard in Zigbee technology. This ensures **secure, low-latency communication** between your smart devices and the hub. Whether you are connecting lights, sensors, plugs, switches, or other Zigbee-enabled devices, the USB dongle ensures **stable performance** and **interoperability** across multiple brands and devices. Zigbee 3.0 also allows **mesh networking**, extending the range and reliability of your smart home system.

Package

Easy Plug-and-Play Installation

The USB dongle is designed for **simple installation**. Simply plug it into a compatible USB port on your PC, Raspberry Pi, or home automation hub to immediately enable Zigbee connectivity. No additional drivers are required for most systems, making setup quick and hassle-free. Its compact design ensures it can be positioned conveniently without obstructing other USB ports or devices.

Smart Home Automation

Once connected, the ZBDongle-E allows you to integrate a wide range of Zigbee devices into your **smart home ecosystem**. Through compatible platforms like **Home Assistant, OpenHAB, or eWeLink**, you can:

- Monitor and control lights, plugs, and switches remotely
- Automate devices based on sensor inputs (motion, temperature, humidity)
- Schedule events and smart scenes for enhanced convenience
- Link multiple devices for synchronized operation

These features enable a highly customizable and automated smart environment, improving comfort, energy efficiency, and security.

Reliable Mesh Networking

The Zigbee 3.0 standard supported by the ZBDongle-E enables **mesh networking**, which allows connected devices to act as repeaters. This extends network coverage, ensures **signal reliability**, and minimizes dead zones in larger homes or office spaces. Devices can communicate seamlessly over greater distances without relying on a single hub, providing **robust network stability**.

Wide Device Compatibility

The ZBDongle-E is compatible with a broad range of Zigbee devices, including:

- Smart bulbs and LED strips
- Sensors (temperature, humidity, motion, door/window)
- Smart plugs and outlets
- Switches and relays
- Thermostats and environmental controllers

This universal compatibility ensures that users can **expand their smart home network** without being limited to a single brand, offering flexibility and convenience in device selection.
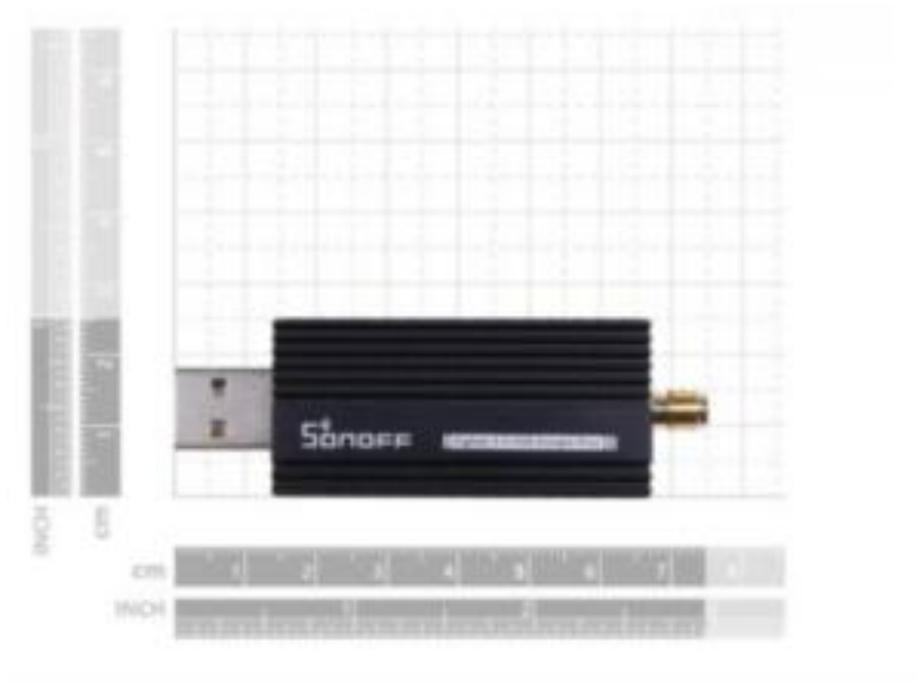
Key Features

- Supports **Zigbee 3.0** for secure and low-latency communication
- **Plug-and-play** USB connectivity for quick installation
- Compatible with multiple platforms including Raspberry Pi, Home Assistant, and eWeLink
- Enables mesh networking for extended coverage and reliable connections
- Broad device compatibility with Zigbee-enabled bulbs, sensors, switches, plugs, and more

- Compact, durable, and portable design

ZBDongle-P VS ZBDongle-E

Items \ Model	ZBDongle-P	ZBDongle-E
SoC	CC2652P	EFR32MG21
Serial Interface Protocol	Z-Stack (ZNP)	Ember ZNet (EZSP)
USB-Serial Chip	CP2102(N)	CH9102F/CP2102(N)
USB Product Description ID	SONOFF Zigbee 3.0 USB Dongle Plus	SONOFF Zigbee 3.0 USB Dongle Plus V2
Flow Control	None (default)	Software flow control
Shell Length	63mm	52mm
Output Power	5dBm (default), Max 20dBm	20dBm (default)
Home Assistant ZHA	Supported	Supported
OpenHAB	Not supported yet	Supported
Zigbee2MQTT	Supported	Supported
ioBroker	Supported	Supported
Domoticz Zigbee Plugin	Supported	Supported
Jeedom Zigbee Plugin	Supported	Supported

Notice:
The ZBDongle-P original firmware does not support the flow control, however, if you flash a "flow control supported" firmware, flick the switch onboard of ZBDongle-P, then the flow control is supported.

Ideal Applications

The **ZBDongle-E Zigbee 3.0 USB Dongle Plus** is perfect for:

- **Smart homes** – Connect and automate lights, sensors, and appliances
- **Developers and DIY enthusiasts** – Build custom smart home projects and prototypes
- **Offices and commercial spaces** – Monitor and control devices for convenience and energy efficiency
- **Industrial setups** – Integrate Zigbee-enabled sensors and controllers for process automation

Conclusion

The **Zigbee 3.0 USB Dongle Plus – ZBDongle-E** is a powerful and versatile tool for anyone looking to expand or build a reliable Zigbee network. Its **easy plug-and-play setup, broad compatibility, mesh networking capability, and support for Zigbee 3.0** make it ideal for smart home enthusiasts, developers, and professionals alike. Connect, automate, and control your Zigbee-enabled devices effortlessly and enjoy the convenience of a seamless, intelligent smart home network with the **ZBDongle-E**.