



User Manual

B.One Hub

Model: Edge 2.0

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1. Introduction

Edge 2.0 is a multi-protocol Gateway with Z-Wave 700 series, Zigbee HA 3.0 profile, BT/BLE 5.2, BT, Wi-Fi 2.4 GHz, LTE Cat M1 & Cat NB2 (NB-IoT) and Ethernet.

It incorporates the state-of-the-art parallel processing architecture with Hard Real-Time Performance to make it the fastest, most secure and first of its kind Edge Computing IoT Gateway in the market.

It is compatible with a wide range of popular Zigbee and Z-Wave devices.

Product Structure

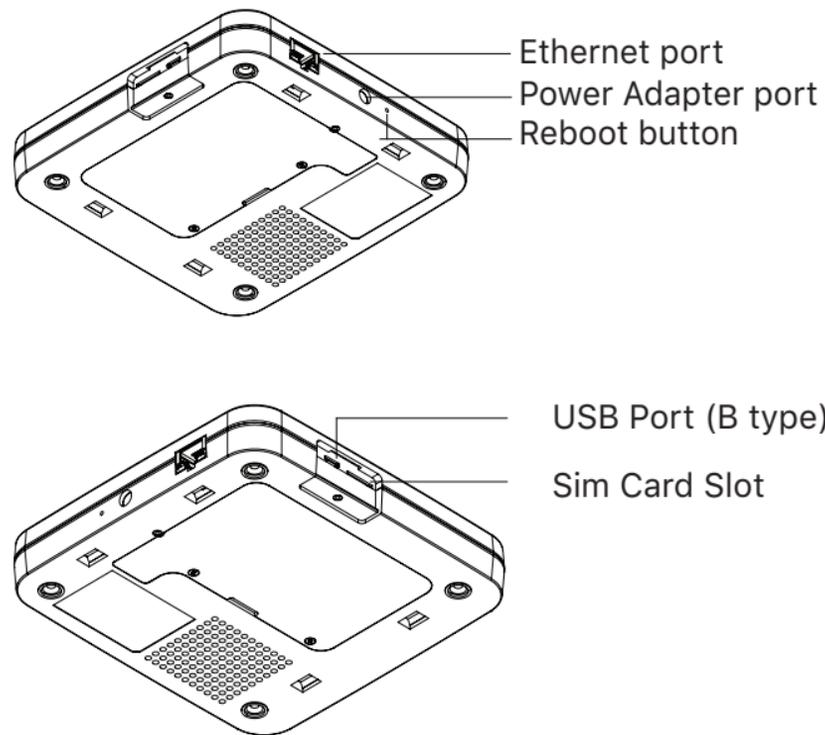
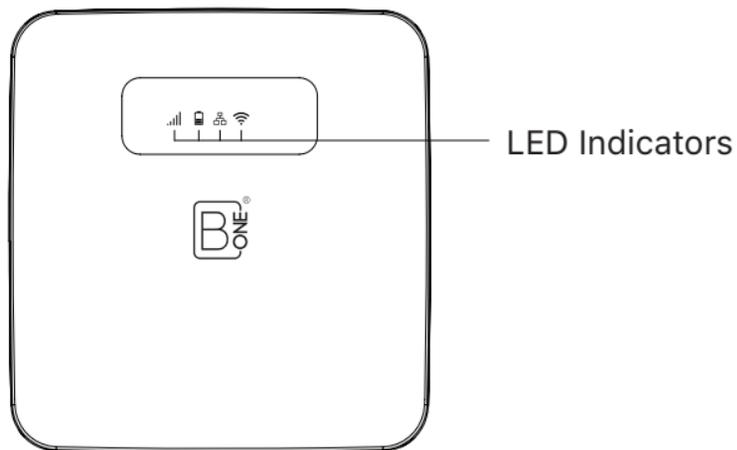


Figure 1: Product Structure

2. Technical Specifications

Processor & Memory	
Processor	Make & Model Number: Allwinner A64
	Configuration: Quad Core Arm Cortex A-53 Operating Freq: 1.2 GHz
Memory	RAM: 1 GB eMMC: 8 GB Default OS: Ubuntu 18.04 LTS
Other Key Features	
RTC, Watchdog, Debug and SIM slot	RTC: On-Board RTC with CMOS battery.
	Hardware Watchdog: Incorporates an external microcontroller-based hardware watchdog to initiate a processor restart in the event of unforeseen system hang-ups.

	Debug Port: USB to UART Converter for debug purposes inside the side compartment.
	SIM Card slot: Provision to insert Micro SIM card is present inside the side compartment.
Environmental	
Operating Temperature	-10 °C to +55 °C (For indoor use in dry locations only)
Mechanical	
Dimensions (W x H x D)	140 x 141.5 x 28 mm
Power Supply & Battery	
Adapter	Input: 100-240 VAC
	Output: 5.0 VDC, 3.0 A

Battery Backup	Li Polymer battery: 3.7V, 3200 mAh (For backup upto 4 hours)
Communication	
Supported Protocols	Z-Wave: 700 Series
	Wi-Fi: 2.4 GHz (b/g/n)
	Zigbee: HA 3.0 Profile
	BT/BLE 5.2
	Ethernet: 10/100M Port

3. Installation

3.1 Requirements

- You will need a smartphone (Android/iOS) with the B.One Plus App installed and your account activated on it.
- A Wi-Fi router operating on 2.4 GHz frequency band is required.

Get **B.One Plus** App at



For a detailed user manual, scan the QR code below:



3.2 LED Indicators

 LTE	Connected/No Internet	No Indication
	Connected/Online	Solid Green
 Battery	When Powered	Solid Green
	>95%	Solid Green
	<95% / >50%	Blinking Green
	<50%	Blinking Red
 Ethernet	Connected/No Internet	Blinking Green
	Connected/Online	Solid Green
	Not Connected	No Indication
 Wi-Fi	Connected/No Internet	Blinking Green
	Connected/Online	Solid Green
	No Internet / Access Point mode	Blinking Red

3.3 Addition of the Gateway

Launch the B.One Plus App. From the Home screen, navigate to **Devices** > Tap on (+) button > **B.One Edge 2.0** and follow the device pairing instructions.

3.4 Onboarding Procedure

Wi-Fi Onboarding:

- After powering ON the Gateway, the Wi-Fi LED will be blinking Red. The gateway is in AP mode.
- Follow the on-screen instructions to scan the QR code located at backside of the Gateway.
- Please provide the requested Wi-Fi credentials. Wait for the app to establish a connection between the Gateway and your Wi-Fi network for successful onboarding of the Gateway.

Ethernet Onboarding:

- Connect a Ethernet cable to the Gateway from router.
- After powering ON the Gateway, the Ethernet LED will be Solid Green.
- Follow the on-screen instructions to scan the QR code located at backside of the Gateway.
- Please wait for the app to establish a connection between the Gateway and your network to ensure successful onboarding of the Gateway.

3.5 Factory Reset

- To Reset the Gateway or to remove it from the B.One Plus App, follow these steps:
- On the B.One Plus App, navigate to **Devices** tab > select the **Hub** > **Settings** > **Reset Hub**.
- Click on "Reset Hub" and enter the One-Time Password (OTP) that has been sent to your registered email.
- The app will display a confirmation message the reset process is successfully completed.

3.6 Reboot the Device

To reboot the Hub, press and hold the reset button using the pin provided in the box for 3 seconds. This action will reboot the Hub.

Or

To shut down the Hub, press and hold the reset button using the pin provided in the box for 8 seconds. This action will initiate the shutdown process for the Hub.

4. Device Care and Maintenance

Correct Disposal:

Proper disposal of the Edge 2.0 hub is vital for safety and environmental considerations. Please adhere to the following guidelines when disposing of the device:

1. **Do not dispose of the device into fire:** The Edge 2.0 Hub contains combustible components. It is imperative to never dispose of the device by burning it or exposing it to fire. Doing so can lead to hazardous situations and environmental pollution.

2. **Do not dispose of the device with regular waste:** The Edge 2.0 Hub should not be discarded with regular household or municipal waste. Improper disposal may result in the device ending up in landfills or being incinerated, which can have negative effects on the environment and human health.

Proper Disposal Options:

To ensure the environmentally responsible disposal of the Edge 2.0 hub, consider the following options:

1. **Electronic waste recycling:** Look for local electronic waste recycling facilities programs in your area. These facilities specialize in the proper handling and recycling of electronic .

Contact your local recycling center or municipality for information on drop-off points or collection events for electronic waste.

2. **Manufacturer or retailer programs:** Check if the manufacturer or retailer of the Edge 2.0 hub has a take-back program or recycling initiative in place. Many companies offer recycling services for their products to promote responsible disposal. Visit their official website or contact their customer support for more information on how to return the device for proper recycling. By following these guidelines and responsibly disposing of the Edge 2.0 hub, you contribute to minimizing environmental impact and promoting sustainable practices.

5. Warranty

Blaze Automation warrants its products against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, then as your sole remedy (and Blaze Automation's sole liability), Blaze Automation will at its option either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a new unit that is functionally equivalent to the original, in each case within a mutually agreed lead time between both the purchaser and Blaze, following receipt of the returned product. A replacement product or part assumes the remaining warranty of the original

product. When a product or part is exchanged, any replacement item becomes your property and the replaced product or part becomes a property of Blaze Automation.

Obtaining Service:

To obtain warranty service, speak with your point of contact at Blaze or with the authorized distributor from your country of purchase. Please be prepared to describe the product that needs service and the nature of the problem. A purchase receipt is required. The product must be insured, and shipped freight prepaid and securely packaged. You must contact Blaze for a Return Material Authorization Number ("RMA Number") before shipping any product, and include the RMA Number, a copy of your purchase receipt and a description of the problem you are experiencing

with the product. Any claim under this Limited Warranty must be submitted to Blaze Automation before the end of the warranty period.

Exclusions:

This warranty does not apply to: a) damage caused by failure to follow the instructions (as explained in the user manual) relating to the product's use or the installation of components b) damage caused by accident, abuse, misuse, transport, neglect, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not an authorized representative of Blaze Automation; d) accessories used in conjunction with a covered product; e) the Product or part that has been modified to alter functionality or capability; f) items intended to be periodically replaced by the purchaser during the

normal life of the Product, including, without limitation, batteries, bulbs or cables; g) the Product that is used commercially or for a commercial purpose, in each case as determined by Blaze Automation.

BLAZE AUTOMATION SHALL NOT BE LIABLE FOR (1) ANY LOST PROFITS, COST OF PROCUREMENT OF SUBSTITUTE PRODUCTS, OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR (II) ANY AMOUNTS IN EXCESS OF THE PURCHASE PRICE FOR THE PRODUCT, IN EACH CASE WHETHER RESULTING FROM FROM THE USE OF OR INABILITY TO USE OF PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, EVEN IF COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. TO THE EXTENT PERMITTED BY APPLICABLE LAW, BLAZE AUTOMATION DISCLAIMS ANY AND ALL

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To exercise your rights under this warranty, please follow the instructions above under the heading "Obtaining Service" or contact Blaze Automation at Blaze Automation Services Private Limited, Q2, 10th floor, Cyber Towers, Hitech-city, Hyderabad, Telangana 500081, India.

Reach us at:

