

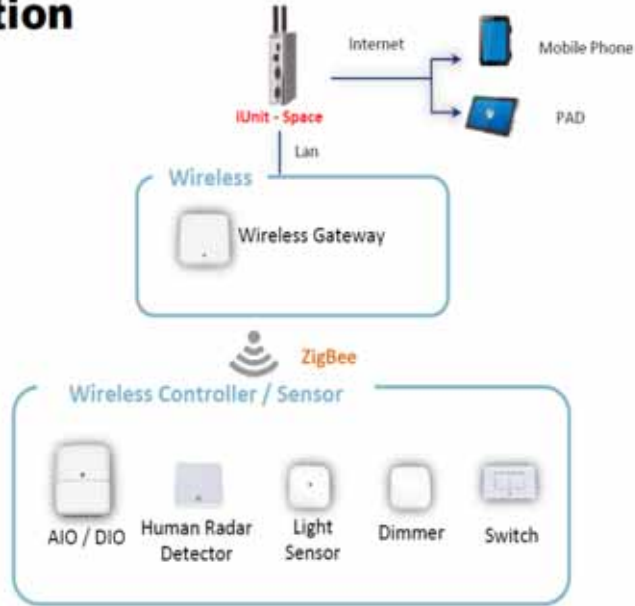
# **IWA System**

## **Wireless Gateway GW1000**

### **Product Manual**

Confidential

## Wireless Solution



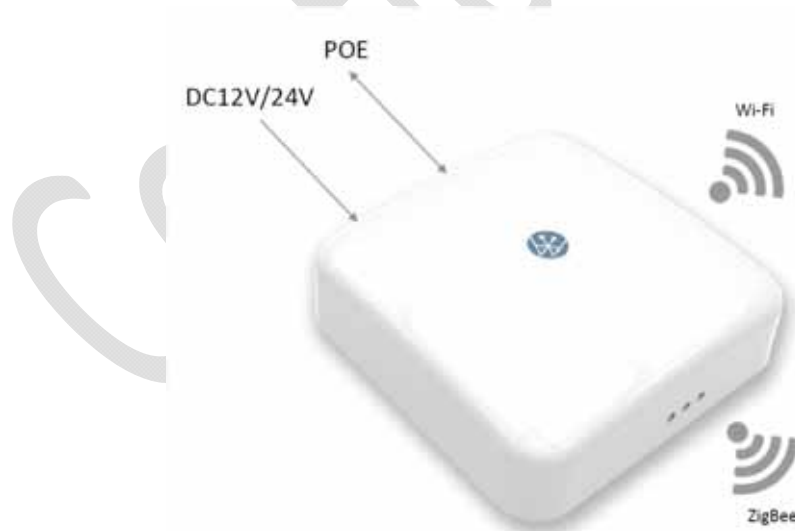
IWA Wireless Gateway GW1000 System Architecture

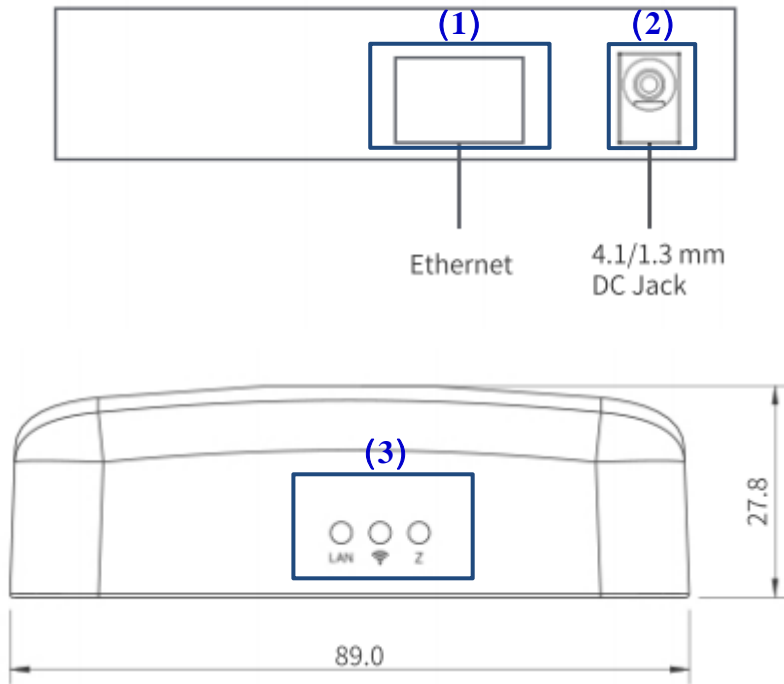
### Specification :

Network Standards	<ul style="list-style-type: none"> <li>● IEEE 802.3u 100M Fast Ethernet</li> <li>● IEEE 802.11 b/g/n Wi-Fi</li> <li>● IEEE 802.15.4 Zigbee</li> </ul>
RF Specifications	<ul style="list-style-type: none"> <li>● Frequency Band : ISM 2.4 GHz</li> <li>● Zigbee Tx power : 17 dBm (max)</li> <li>● Wifi Tx power : 19 dBm (max)</li> <li>● Antenna Gain : 3 dBi (max)</li> </ul>
Wi-Fi Interface	<ul style="list-style-type: none"> <li>● MIMO 2x2 Wi-Fi IEEE802.11b/g/n</li> <li>● Security: WEP, WPA/WPA2, WPA/WPA2 with PSK</li> </ul>
ZigBee Network Capacity	<ul style="list-style-type: none"> <li>● Nodes Support : up to 60 nodes</li> </ul>
Management and Control	<ul style="list-style-type: none"> <li>● GUI, Web Browser</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>● Wi-Fi : Link/Activity LED, Green</li> <li>● Zigbee Status LED, Green/Red</li> <li>● Ethernet "Link/Activity" LED, Green</li> </ul>
Power Requirement	<ul style="list-style-type: none"> <li>● Compatible with 802.3af/at specifications</li> </ul>

	<ul style="list-style-type: none"> <li>● POE Voltage range (at PD) 37V~57V</li> <li>● External Power Supply : 12 / 24 VDC</li> <li>● Power consumption when Wifi and Zigbee RF 100% TX : 350mA@Vin=12V</li> <li>● Power consumption when Idle state : 180mA @Vin=12V</li> </ul>
Connectors	<ul style="list-style-type: none"> <li>● Ethernet : One RJ-45 Connectors</li> <li>● Power Jack : Screwless Terminal Block</li> <li>● Reset Button x1</li> </ul>
Operating Temperature	0 to 40
Operating Relative Humidity	10%~95% non-condensing
Storage Temperature	-10 to 65
Storage Relative Humidity	5%~95% non-condensing
Dimension	89mm *89mm *27.8mm
Weight	0.12 kg

Device Function :





1. Device interface :

- (1) Ethernet port
- (2) DC 12/24 V power Input
- (3) Indicators
  - LAN
  - Wi-Fi
  - ZigBee

2. Technical support

This manual is a guide for setting up your device for the first time only. Actual product content and app screen may vary per firmware and updates.

3. ZigBee button

Press to connect with home gateway. Press and hold for 5 seconds to reset the device.

**NOTE:** Ensure to reset your Chicony Power Smart Home device and delete the device from the companion app to remove it completely.

4. System requirements

iOS or Android smartphone.

Wi-Fi router with Internet access.

Chicony Power gateway and user account.

5. Safety tips

This device is not water resistant and for indoor use only.

Insert the battery according to the correct polarity.

**NOTE :**

Ensure that the battery is installed before connecting. Refer to the LED indicator to check the status of your device.

Ensure that your device is within 50 meters of your CHICONY POWER Gateway, and there are no obstructions such as thick solid walls or other electronic devices that may cause interference.

The LED status indicator on your CHICONY POWER Gateway will blink blue for sixty (60) seconds to indicate that devices can be added.

Ensure to reset your CHICONY POWER Smart Home device and delete the device from the companion app to remove it completely.

**Additional information**

This device is for indoor use only.

Use screws or an adhesive to position the device onto a flat surface (such as a window pane or wall).

This device will update data to the Home Gateway every time it detects a signal. You can view the current status through the companion app.

When this device loses power, the companion app will display a gray icon and cannot be configured. The status will be updated every 5 minutes.

## **Federal Communications Commission (FCC) Statement**

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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.

**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 of the device.

### **FCC RF Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.