100mm

133.3mm

HYUNDAI
ELECTRONICS

2.4G & 5.8G 11AX 3000MBPS CEILING WIRELESS AP

# HYU-NE-SW-WAP63GB001

USER MANUAL

## 1- Product Overview







Stable Signal | MU-MIMO Function | Powered by PoE/DC | High Speed Connection | Scheduling Reboot

Access Point series delivers stable and high-speed Wi-Fi connectivity for small and medium business networks, Covering Wi-Fi 5, 6, and 7 models, it provides reliable wireless access for multiple users and devices, Easy to deploy and operate, supporting PoE and DC Power input for flexible installation, designed with watchdog function, web-management, it is ideal for offices, retail, and commercial spaces, combining performance, flexibility, and cost-effectiveness.



## 2- Model List

| Model Name | HYU-NE-SW-WAP63GB001 |
|---|---|
| Picture |  |
| Wi-Fi Standard | Dualband: IEEE 802.11ax (Wi-Fi 6) |
| Frequency Band | 2.4GHz: 2.4GHz ~ 2.484GHz<br>5GHz: 5.150GHz ~ 5.850GHz |
| Antenna | Built-in Omnidirectional Antennas |
| Network Interface | 2.4GHz:2×4.6dBi<br>5GHz: 3×4dBi |
| Power Supply | 1×10/100/1000Mbps<br>WAN: 48V PoE in;<br>1×10/100/1000Mbps<br>LAN |
| SSID | 48V PoE / 12V 1.5A DC |
| Wireless Security | Multiple SSIDs supported; Hide/Broadcast; Unicode characters supported; |
| Maximum Wireless Clients | OPEN, WPA/WPA2-PSK (TKIP/AES), WPA3-PSK (AES); MAC Filtering; |
| Management & Stability | 128 users |
| Operating Modes | Watchdog supported, Smart Management |
| Status LED | AP / Fat / Thin / Gateway / Relay |
| One-Key Reset | (Front Panel→Red+Green=Blue)<br>Power On: Red ON → System Start → Green ON & Red OFF → Wi-Fi Active<br>Non-AP→ AC disconnected: Green & Red Blink Alternately<br>AP Locate: Blue Flashes (1 time/second), Red & Green OFF |
| Operating TEMP/ Humidity | Press & Hold 6-10s → Factory Reset |
| | -10°C ~ 55°C; 5%~90% RH (non-condensing) |



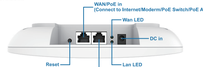
## 3- Interface Overview




| Description | LED Status |
|---|---|
| Power on, System boots successfully | Red● ON → System Start → Green● ON & Red● OFF |
| Wi-Fi boots successfully /Normal operation | Blue● ON |
| Thin AP mode, AC disconnected in Topkay | Red● ON & Green● OFF & Blue● ON |
| AP Locator | Blue● Flashes (1 time/second), Red● & Green● OFF |

- Note: The number of LEDs may vary by ceiling-mounted AP model. Please refer to the actual product.

**Rear**




| Ports | Description |
|---|---|
| Reset | Press and hold for 10 seconds while powered on to restore factory settings. The device will reboot automatically. |
| LED Indicators | Both WAN and LAN, the LED indicator lights up when an Ethernet cable is connected, Yellow● flashes , indicating Normal operation, Yellow● OFF, connection fails |
| WAN (for PoE Powered Method) | Connects to the Internet. The WAN port can be connected to an ADSL modem or community broadband, In AP or Repeater mode, the WAN port functions as a LAN port. |
| LAN | LAN port for connecting wired network devices. |
| DC | Power input port, Specifications vary by model. |



## 4-Hardware Installation




**Package Contents**

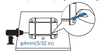
| Item | Quantity |
|---|---|
| Access Point (with movable bracket on the back) | 1pc |
| Ethernet Cable | 1pc |
| Screws& Plastic Expansion Plug | 4 sets |
| Quick Installation Guide | 1pc |

- Ceiling Mounting(On a Tile/Directly)

1. Remove a ceiling tile.



2. Position the mounting bracket at the center of the ceiling tile. Mark the locations for the screw holes and the Ethernet cable hole, then drill holes and put the plastic expansion plug accordingly.




3. Attach the mounting bracket to the ceiling tile using screws.



4. Feed the Ethernet cable through the hole and replace the ceiling tile



5. Connect the Ethernet cable to the AP, attach it to the mounting bracket, and rotate to lock or snap into place.

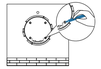




## 4-Hardware Installation

- Wall Mounting

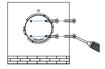
1. If the Ethernet cable comes through the wall, place the mounting bracket below the cable hole. Mark and drill the screw holes.



2. Insert the plastic expansion plug into the holes.



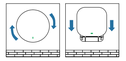
3. Attach the mounting bracket to the wall using screws, ensuring the bracket's shoulders face outward.



4. Connect the Ethernet cable to the AP



5. Mount the AP on the bracket and rotate to lock or snap into place.





## 5-Connection Methods

- Standalone Mode / AP Mode --The AP operates independently, managing network traffic on its own (Small network)
- Bypass Mode --The AP allows network traffic to pass through without processing, ensuring connectivity during power failure or device shutdown.
- AC Controller Mode -The AP is managed by a wireless controller, which handles configuration, traffic, and network policies centrally.

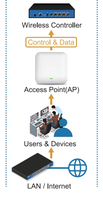
**Standalone Mode**

AP operates independently, managing network traffic on its own.




**Controller Mode**

AP is managed by Wireless Controller




**Bypass Mode**

Traffic passes through AP directly






## 6-Web Configuration

- Wireless Connection

1.Connect to the Device Wirelessly

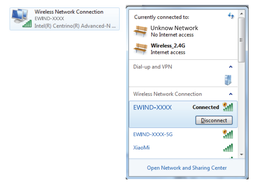
① After setting the IP address, open the wireless network list on your PC.

② Locate and double-click on "Wireless Network Connection".

③ From the available SSIDs, select EWIND-XXXX (Replace XXXX with the last four digits of your device's MAC Address, check the label).

④ Enter the default password: 66666666.

⑤ Wait for the connection to establish.






## 6-Web Configuration

2.Configure Your Wireless Connection

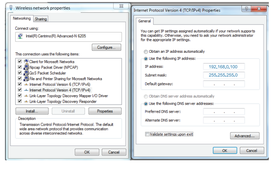
① Open the TCP/IP settings of your wireless network adapter.

② Set the IP address to: 192.168.0.100

③ Set the Subnet Mask to: 255.255.255.0

Note: This ensures your PC and the device are on the same IP subnet, allowing proper communication.

④ Refer to the diagram for visual guidance:






## 6-Web Configuration

- Wired Connection

Configure a Wired Connection

① Connect your PC to the device using an Ethernet cable.

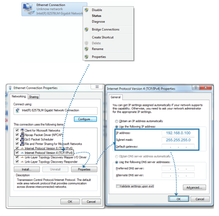
② Open the TCP/IPv4 properties of your wired network adapter.

③ Set the IP Address to: 192.168.0.100

④ Set the Subnet Mask to: 255.255.255.0

Note: This ensures that your PC is on the same IP subnet as the AP, allowing proper communication.

⑤ Refer to the diagram for visual guidance:






## 7-Configure AP Mode via Web Browser

Step 1: Access the Device

① Open Internet Explorer (or another compatible browser) and visit: http://192.168.0.1

② The login screen will appear (see the figure below).

③ Enter the default credentials:
Username: admin
Password: admin

④ After logging in, the wireless AP settings page will be displayed.



Step 2: Switch AP Mode (if needed)

By default, the page displays Fat AP mode.
To switch to Fit AP mode, click the button in the top-right corner.

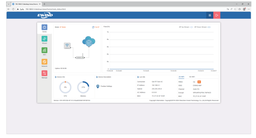





## 7-Configure AP Mode via Web Browser

Step 3: Fat AP Mode Home Page

The home page for Fat AP mode is shown below (see figure).



Step 4: Setup Wizard

In the Setup Wizard, select AP mode as the working mode.





## 7-Configure AP Mode via Web Browser

Step 5: AP Setup

On the AP setup page, select "Get IP from AC" as the connection type, then click Apply.



Step 6: WiFi Setup

Configure the WiFi settings as shown in the figure below.


2G WiFi as example


5G WiFi as example

Step 7: Complete Setup

After completing the steps above, the setup process is finished, Wait for the AP to complete the restart.





## 8-Internet Setup & Connection Status

- IP Settings and Status Check

1. IP Settings (Automatic)

After completing the AP configuration, the wireless AP will restart and apply the settings.
Set your computer's IP address to automatic (DHCP).
Your computer and other wireless devices can now connect to the router via the AP to access the internet wirelessly.

2. View Status (Manual / Fixed IP)

If you prefer to set a fixed IP address for your computer, configure it as: 192.168.0.100
Access the wireless AP's IP address via a browser and log in.
You can now view the device's management status, as shown in the figure below.



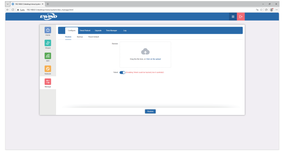



## 8-Internet Setup & Connection Status

- Device Management Functions

Through the device management menu, users can:

- Backup and restore settings
- Reboot or reset the device to factory defaults
- Change the web login password
- Upgrade firmware
- Synchronize system time
- View system logs and statistics
- Access other functional settings





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**For Inquiries, Please Contact:**

**Security Shop**
**Vladimira Nazora 1**
**11077 Novi Beograd, Serbia**
**Tel: +381 11 318 68 68**
**office@securityshop.rs**

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