

Wireless AP Controller with 10/100/1000Mbps 802.3at PoE+

WAPC-1232HP/WAPC-2864HP

Quick Installation Guide

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1. Package Contents

Thank you for purchasing PLANET Wireless AP Controller with 10/100/1000Mbps 802.3at PoE+. The description of this model is shown below:

WAPC-1232HP Wireless AP Controller with 8-Port 10/100/1000T 802.3at PoE+

WAPC-2864HP Wireless AP Controller with 24-Port 10/100/1000T 802.3at PoE + 4-Port 10G SFP+

“**AP Controller**” is used as an alternative name in this Quick Installation Guide.

Open the box of the AP Controller and carefully unpack it. The box should contain the following items:

- The AP Controller x 1
- Quick Installation Guide x 1
- RS232 to RJ45 Console Cable x 1
- Rubber Feet x 4
- Two Rack-mounting Brackets with Attachment Screws x 1
- Power Cord x 1
- SFP Dust-proof Cap x 2 (WAPC-1232HP)
- SFP Dust-proof Cap x 8 (WAPC-2864HP)

If any item is found missing or damaged, please contact your local reseller for replacement.

2. Requirements

- Workstations running Windows XP/2003/Vista/7/8/10/2008, MAC OS X or later, Linux, UNIX, or other platforms are compatible with TCP/IP protocols.
- Workstations are installed with Ethernet NIC (Network Interface Card)
- **Serial Port Connection (Terminal)**
 - The above Workstations come with COM Port (DB9) or USB-to-RS232 converter.
 - The above Workstations have been installed with terminal emulator, such as Hyper Terminal included in Windows XP/2003.
 - Serial cable -- one end is attached to the RS232 serial port, while the other end to the console port of the AP Controller.
- **Ethernet Port Connection**
 - Network cables -- Use standard network (UTP) cables with RJ45 connectors.
 - The above PC is installed with Web browser and JAVA runtime environment plug-in.



Note

It is recommended to use Internet Explorer 8.0 or above to access the AP Controller. If the Web interface of the AP Controller is not accessible, please turn off the anti-virus software or firewall and then try it again.

3. Starting Web Management

The following shows how to start up the **Web Management** of the AP Controller. Note the AP Controller is configured through an Ethernet connection. Please make sure the manager PC must be set on the same **IP subnet address**.

For example, the default IP address of the AP Controller is **192.168.1.100**, then the manager PC should be set at **192.168.1.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

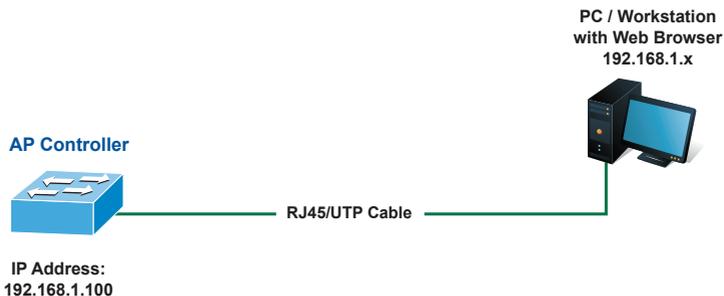


Figure 3-1 IP Management Diagram

Logging to the AP Controller

1. Use Internet Explorer 8.0 or above Web browser and enter IP address **<http://192.168.1.100>** (the factory default IP address or the one that you have just changed in console) to access the Web interface.
2. When the following dialog box appears, please enter the default user name and password "**admin**" (or the password you have changed via console). The login screen in Figure 3-2 appears.

Default Username: **admin**

Default Password: **admin**



Figure 3-2 Login Screen



Note

The following web screen is based on the WAPC-1232HP. For the WAPC-2864HP, the displays will be the same as the WAPC-1232HP.

3. After entering the password, the main screen appears as Figure 3-3 shows.



Figure 3-3 Web Main Screen

The Menu on the left of the Web page let you access all the commands and statistics the AP Controller provides.

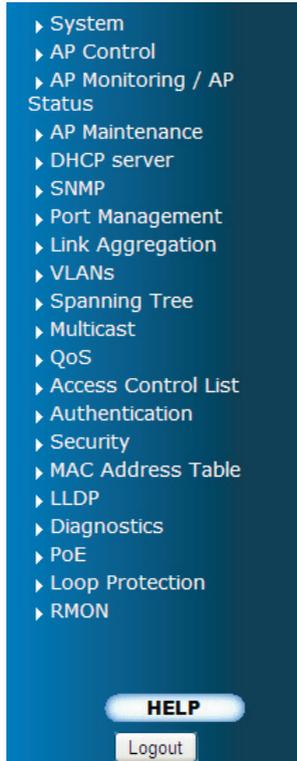


Figure 3-4 Menu



Note

If you are not familiar with the functions or the related parameter, press **“Help icon”** anytime on the Web page to get the help description.

Now, you can use the Web management interface to continue the AP management or manage the AP Controller via console interface.

Please refer to the user’s manual for more.

4. Starting AP Management

The following four PLANET wireless AP models can be centrally managed from the computer via WAPC AP Controller.

- WDAP-C7200AC
- WDAP-W7200AC
- WNAP-C3220A
- WNAP-W2201A



Note

The above wireless APs support “**Standalone AP**” mode and “**Managed AP**” mode. Please login the wireless AP’s web user interface and set up it to “**Managed AP**” mode from the “**Operation Mode**” page.

STEP
1

Connect PLANET Managed AP, Wireless AP Controller and your computer to the same network.



Figure 4-1 Topology of AP Controller Connection

STEP
2

Start the web browser to login to the **WAPC Wireless AP Controller Web page**. Configure the wireless setting for the Managed AP under “**AP Control**”.



Figure 4-2 Menu – AP Control

STEP 3

Go to the **“AP Search”** page and then click **“Refresh”** to discover the managed AP available in the network. Only the AP existed in the same network segment can be discovered and added to the device list of controller.



Figure 4-3 AP Search

STEP 4

In the **“Select Device”** field, check the AP that you want to manage and then click **“Apply”**.



Figure 4-4 AP Search – select the AP from the list

STEP 5

Go to the **“AP Control-> Device List”** page to ensure the AP is already selected from the list. This section is to confirm the AP selected on the **“AP Search”** page has been added to the Device List Table so that we can start to control it.



Figure 4-5 Device List

For information about configuring the Managed AP by using Wireless AP Controller, refer to the user manual of the WAPC AP Controller series.

5. Saving Configuration

In the AP Controller, the running configuration file stores in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by executing save startup config command, so that the running configuration sequence becomes the startup configuration file, which is called configuration save.

To save all applied changes and set the current configuration as a startup configuration, the startup-configuration file will be loaded automatically across a system reboot.

1. Click **System, Save Startup Config**.



Figure 5-1 Save Startup Config Menu

2. Press the **“Save Configuration”** button.



Figure 5-2 Save Startup Config

6. Terminal Setup

To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer and to the RJ45 type of the console port of the AP Controller.

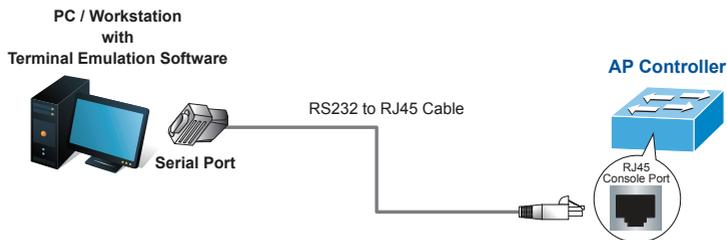


Figure 6-1 AP Controller Console Connectivity

A terminal program is required to make the software connection to the AP Controller.

1. Run terminal program on the OS.
2. When the following screen appears, make sure that the COM port should be configured as:

- ◆ Baud: 115200
- ◆ Data bits: 8
- ◆ Parity: None
- ◆ Stop bits: 1
- ◆ Flow control: None

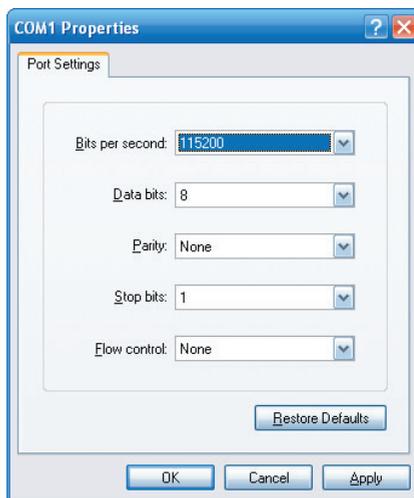


Figure 6-2 COM Port Configuration

7. Logon to the Console

Once the terminal is connected to the device, power on the AP Controller and the terminal will display “running testing procedures”. Then, the following message asks to log-in user name and password. The factory default user name and password are shown as follows, and the login screen in Figure 7-1 appears.

```
Username: admin  
Password: admin
```

```
Press any key to continue  
Username: admin  
Password: *****  
WAPC-1232HP#
```

Figure 7-1 AP Controller Console Login Screen

The user can now enter commands to manage the AP Controller. For a detailed description of the commands, please refer to the following chapters.



Note

1. For security reason, please change and memorize the new password after this first setup.
2. Only accept command in lowercase letter under console interface.

8. Configuring IP Address

The AP Controller is shipped with default IP address shown below.

```
IP Address: 192.168.1.100  
Subnet Mask: 255.255.255.0
```

To check the current IP address or modify a new IP address for the AP Controller, please use the procedures as follows:

■ Show the current IP Address

1. At the “#” prompt, enter “**show ip interface brief**”.
2. The screen displays the current IP address as shown in Figure 8-1.

```
Press ENTER to get started  
  
Username: admin  
Password:  
WAPC-1232HP# show ip interface brief  
Vlan Address Method Status  
-----  
1 192.168.1.100/24 Manual UP
```

Figure 8-1 IP Information Screen

■ Configuring IP Address

3. At the “#” prompt, enter the following command and press <Enter> as shown in Figure 8-2.

```
WAPC-1232HP# configure terminal  
WAPC-1232HP(config)# interface vlan 1  
WAPC-1232HP(config-if-vlan)# ip address 192.168.1.100 255.255.255.0
```

The previous command would apply the following settings for the AP Controller.

```
IP Address: 192.168.1.100  
Subnet Mask: 255.255.255.0
```

```
Press ENTER to get started

Username: admin
Password:
WAPC-1232HP# configure terminal
WAPC-1232HP (config)# interface vlan 1
WAPC-1232HP (config-if-vlan)# ip address 192.168.1.100 255.255.255.0
```

Figure 8-2 IP Address Screen

4. Repeat step 1 to check if the IP address is changed.

■ Store current configuration

5. At the “#” prompt, enter the following command and press **<Enter>**.

```
# copy running-config startup-config
```

```
Press ENTER to get started

Username: admin
Password:
WAPC-1232HP# configure terminal
WAPC-1232HP (config)# interface vlan 1
WAPC-1232HP (config-if-vlan)# ip address 192.168.1.100 255.255.255.0
WAPC-1232HP (config-if-vlan)#
WAPC-1232HP (config-if-vlan)# exit
WAPC-1232HP (config)# exit
WAPC-1232HP# copy running-config startup-config
Building configuration...
% Saving 1483 bytes to flash:startup-config
```

Figure 8-3 Saving Current Configuration Command Screen

If the IP is successfully configured, the AP Controller will apply the new IP address setting immediately. You can access the Web interface of the AP Controller through the new IP address.



Note

If you are not familiar with the console command or the related parameter, enter “**help**” anytime in console to get the help description.

9. Recovering Back to Default Configuration

IP Address has been changed or admin password has been forgotten –

To reset the IP address to the default IP Address **"192.168.1.100"** or reset the login password to default value, press the hardware **reset button** on the front panel for about **10 seconds**. After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.1.xx.

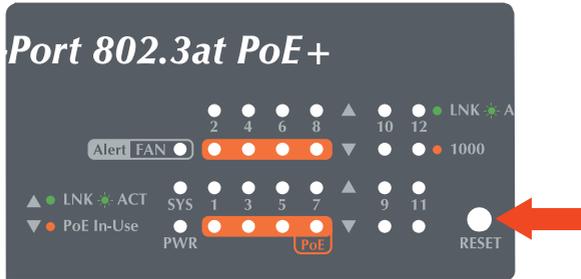


Figure 9-1 Reset button of WAPC-1232HP

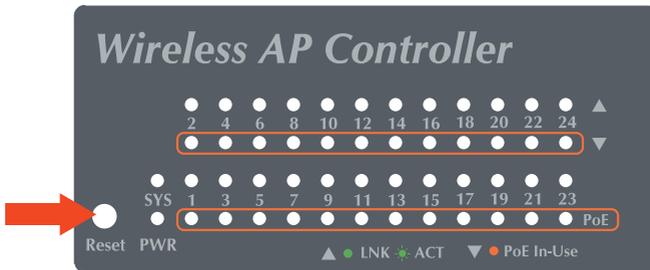


Figure 9-2 Reset button of WAPC-2864HP

10. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource and User's Manual on PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQ:

<http://www.planet.com.tw/en/support/faq.php?type=1>

Wireless support team mail address:

support_wireless@planet.com.tw

WAPC-1232HP/WAPC-2864HP User's Manual:

<http://www.planet.com.tw/en/support/download.php?type1=4&model=48666&type=3>



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