

How to Setup Captive Portal on APC500?

Introduction

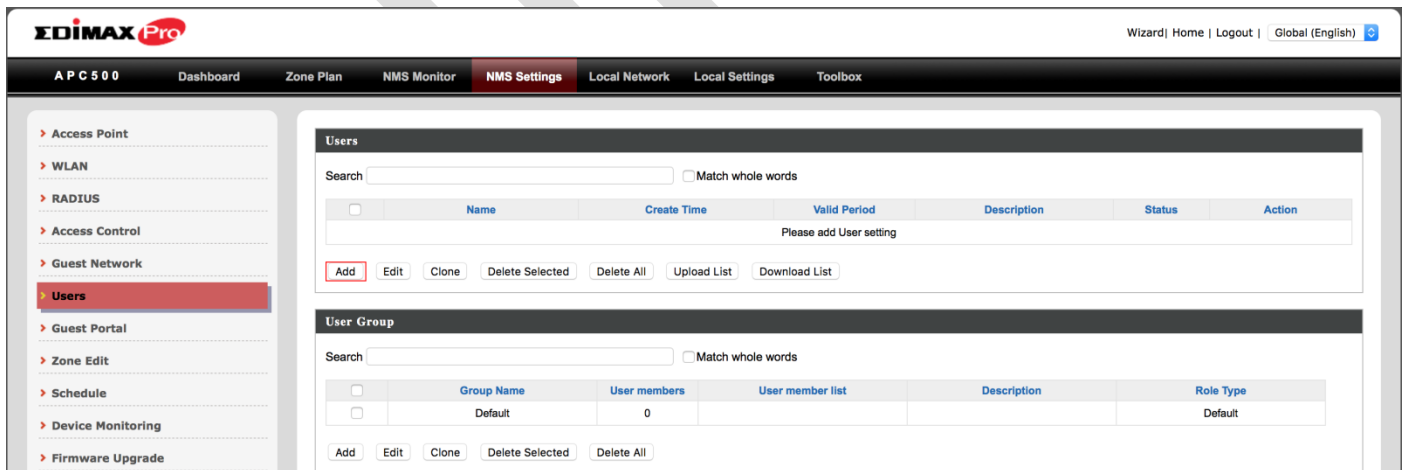
APC500 supports user name and password authentication with guest network for Edimax Pro AP series. While users try to connect to the guest network, they will be requested a user name and password. If the user name and password are correct, then they will be able to access the internet.

In this document, we will show you below subjects.

1. Add Guest User and Manger Account
2. Configure Guest Portal
3. Add guest SSID and deploy the settings
4. Create account using front desk account

Add Guest User and Manager Account

1. Connect laptop to the same network as APC500 using cable.
2. Open web browser, type the IP address of APC500 on the address bar, and press enter.
3. The default user name and password is admin / 1234.
4. After login web panel, click [NMS Settings](#) >> [Users](#), and click [Add](#) at Users.



5. Please enter the user name and password, and click Apply.

User Settings

Name	<input type="text" value="guest 1"/>
Description	<input type="text"/>
Password	<input type="password" value="...."/>
Confirm Password	<input type="password" value="...."/>
User Group	Default <input type="button" value="v"/>

6. We create 3 users for the demonstration.

Users

Search Match whole words

<input type="checkbox"/>	Name	Create Time	Valid Period	Description	Status	Action
<input type="checkbox"/>	guest 1	2015/11/26 14:11:01	Always		<input type="radio"/>	<input type="button" value="edit"/> <input type="button" value="delete"/>
<input type="checkbox"/>	manager A	2015/11/26 14:11:50	Always		<input type="radio"/>	<input type="button" value="edit"/> <input type="button" value="delete"/>
<input type="checkbox"/>	manager B	2015/11/26 14:12:18	Always		<input type="radio"/>	<input type="button" value="edit"/> <input type="button" value="delete"/>

7. Click **Add** at User Group.

User Group

Search Match whole words

<input type="checkbox"/>	Group Name	User members	User member list	Description	Role Type
<input type="checkbox"/>	Default	3	guest 1 manager A manager B		Default

8. Please configure as below, and click **Apply**.

a. Name: Please enter group name here.

b. Role Type:

Guest Portal user: While user connects to guest network, it will prompt the custom guest portal page. After enter user name and password of guest portal user, then user will able to have the internet access.

Front Desk Manager: Front Desk Manger is allowed to login front desk panel. It provides another way to quickly create / manage user account, generate and print tickets.

c. Members: Please select the member of this user group.

User Group Settings

Name	<input style="width: 90%;" type="text" value="guest portal"/>																
Description	<input style="width: 90%;" type="text"/>																
Role Type	<input style="width: 90%;" type="text" value="Guest Portal user"/>																
Members	<div style="margin-bottom: 5px;"> <input type="text" value="Search"/> <input type="checkbox"/> Match whole words </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 30%;">Name</th> <th style="width: 20%;">User Group</th> <th style="width: 45%;">Description</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>guest 1</td> <td>Default</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>manager A</td> <td>Default</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>manager B</td> <td>Default</td> <td></td> </tr> </tbody> </table>		Name	User Group	Description	<input checked="" type="checkbox"/>	guest 1	Default		<input type="checkbox"/>	manager A	Default		<input type="checkbox"/>	manager B	Default	
	Name	User Group	Description														
<input checked="" type="checkbox"/>	guest 1	Default															
<input type="checkbox"/>	manager A	Default															
<input type="checkbox"/>	manager B	Default															

9. We create 3 users group for the demonstration.

User Group

Match whole words

	Group Name	User members	User member list	Description	Role Type
<input type="checkbox"/>	Default	0			Default
<input type="checkbox"/>	guest portal	1	guest 1		Guest Portal user
<input type="checkbox"/>	Lobby	1	manager A		Front Desk manager
<input type="checkbox"/>	Room	1	manager B		Front Desk manager

Configure Guest Portal

1. Click **Guest Portal**, and click **Add**.

The screenshot shows the 'Guest Portal' configuration page. On the left is a sidebar with navigation options: Access Point, WLAN, RADIUS, Access Control, Guest Network, Users, **Guest Portal**, Zone Edit, Schedule, Device Monitoring, and Firmware Upgrade. The main content area is titled 'Guest Portal' and contains a search bar, a table with columns 'Name', 'Guest Portal Type', and 'Used Guest Network', and buttons for 'Add', 'Edit', 'Delete Selected', and 'Delete All'. Below this is the 'Guest Portal Settings' section, which includes 'Idle Timeout' set to 5 minutes and 'Login Password Retry Lockout' set to 5 (1-30 times), with an 'Apply' button at the bottom.

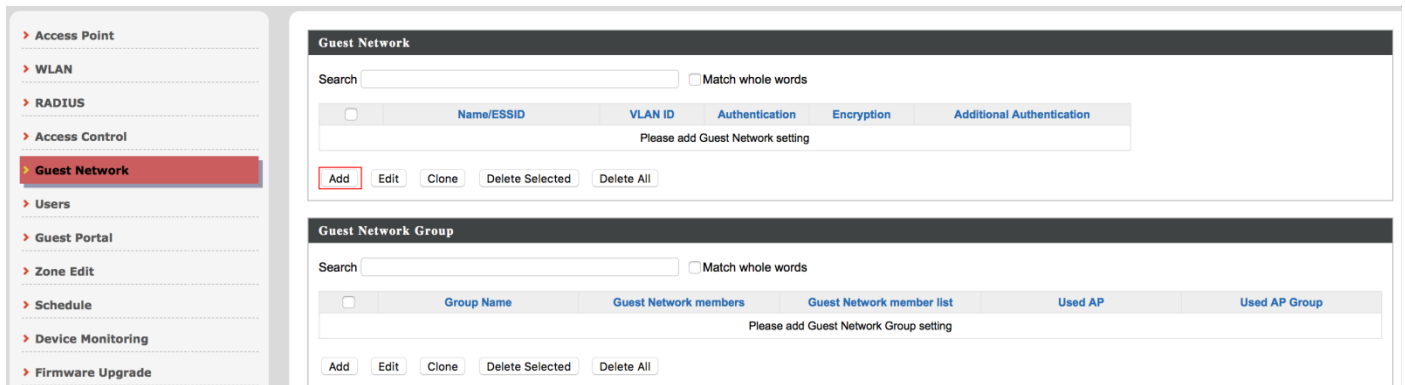
2. Please configure as below, and click **Apply**.
 - a. Name: Please enter the name of guest portal.
 - b. Guest Portal Type: Please configure Guest Portal Type as **Dynamic Users**.
 - c. Front Desk User Group: Please select a Front Desk User Group. Only users of this group are able to login the front desktop panel to create user account and password.
 - d. Front Desktop Generation URL: This is URL of front desk login panel. Please mark down, and we will need it later.
 - e. Authentication User Group: Please select a user group. Users of this group are able to login guest portal and have the internet access.

The screenshot shows the 'Guest Portal Settings' configuration form. The fields are as follows:

Name	Guest Portal
Description	
Guest Portal Type	Dynamic Users
Authentication Server	Local Database
Front Desk User Group	Lobby
Front Desk Generation URL	http://192.168.2.2/frontdesk.html
Front Desk Printout Message	Edit
Authentication User Group	guest portal
Landing Page	<input checked="" type="radio"/> Redirect to the original URL <input type="radio"/> Promotion URL http://

Create Guest Network

1. Click Guest Network, and click Add.



2. Please configure as below.
 - a. Name/ESSID: Please enter guest network name.
 - b. Authentication Method: Please configure as WPA-PSK.
 - c. Pre-Shared Key: Please enter wireless security.

The screenshot shows the 'Guest Network Settings' configuration page. It is divided into two sections. The first section contains the following fields: Name/ESSID (Gust SSID), Description, VLAN ID (1), Broadcast SSID (Enable), Wireless Client Isolation (STA Separator), and Load Balancing (50 /50). The second section contains the following fields: Authentication Method (WPA-PSK), WPA Type (WPA/WPA2 Mixed Mode-PSK), Encryption Type (TKIP/AES Mixed Mode), Key Renewal Interval (60 minute(s)), Pre-shared Key Type (Passphrase), Pre-shared Key (1234567890), and Additional Authentication (No additional authentication).

3. Please select the **guest portal**, and click **Apply**.

Guest Access Policy

Guest Portal Settings

Guest Portal:

Traffic Shaping Settings

Traffic Shaping:

Downlink: Mbps

Uplink: Mbps

Filtering Settings

IP Filtering:

Rules

<input type="checkbox"/>	IP/Subnet Mask	
<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	<input type="text" value="/ 0.0.0.0"/>
<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	<input type="text" value="/ 0.0.0.0"/>
<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	<input type="text" value="/ 0.0.0.0"/>

Guest Network Advanced Settings

Schedule Group Settings *This function will not work until ([NMS Settings->Advanced->Date and Time->NTP Time Server](#)) are enabled.

Schedule Group:

4. Click **Add** at Guest Network Group.

Guest Network

Search: Match whole words

<input type="checkbox"/>	Name/ESSID	VLAN ID	Authentication	Encryption	Additional Authentication
<input type="checkbox"/>	Gust SSID	1	WPA1-PSK,WPA2-PSK	TKIP,AES	No additional authentication

Guest Network Group

Search: Match whole words

<input type="checkbox"/>	Group Name	Guest Network members	Guest Network member list	Used AP	Used AP Group
Please add Guest Network Group setting					

5. Please enter the name of guest group, select the SSID, and click **Apply**.

Guest Group Settings

Name	<input type="text" value="Guest"/>								
Description	<input type="text"/>								
Members	<p>Search <input type="text"/> <input type="checkbox"/> Match whole words</p> <table border="1"><thead><tr><th><input type="checkbox"/></th><th>Name/ESSID</th><th>VLAN ID</th><th>Schedule Group</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>Gust SSID</td><td><input type="checkbox"/> Override 1</td><td><input type="checkbox"/> Override Disable ▾</td></tr></tbody></table> <p>*Schedule Group function will not work until (NMS Settings->Advanced->Date and Time->NTP Time Server) are enabled.</p>	<input type="checkbox"/>	Name/ESSID	VLAN ID	Schedule Group	<input checked="" type="checkbox"/>	Gust SSID	<input type="checkbox"/> Override 1	<input type="checkbox"/> Override Disable ▾
<input type="checkbox"/>	Name/ESSID	VLAN ID	Schedule Group						
<input checked="" type="checkbox"/>	Gust SSID	<input type="checkbox"/> Override 1	<input type="checkbox"/> Override Disable ▾						

Deploy Configuration to Managed AP

1. Click Access Point, select Managed AP, and click **Edit**.

- Access Point
- WLAN
- RADIUS
- Access Control
- Guest Network
- Users
- Guest Portal
- Zone Edit
- Schedule
- Device Monitoring
- Firmware Upgrade

Access Point

Search Match whole words

<input type="checkbox"/>	MAC Address	Device Name	Model	AP Group	2.4G Channel	5G Channel	2.4G Tx Power	5G Tx Power	Status	Action
<input checked="" type="checkbox"/>	74-DA-38-06-E1-8C	AP74DA3806E18C	WAP1750	System Default	11	36	Full	Full	●	⊘

Refresh Delete Selected Delete All

Access Point Group

Search Match whole words

<input type="checkbox"/>	Group Name	AP Members	2.4G WLAN Profile	5G WLAN Profile	2.4G Guest Network Profile	5G Guest Network Profile	RADIUS Profile	Access Control Profile
<input type="checkbox"/>	System Default	1	EdimaxPro	EdimaxPro	Disabled	Disabled	Disabled	Disabled

Add Edit Clone Delete Selected Delete All

2. Check **Guest Network Group**, select **Guest**, and click **Apply**.


Profile Settings		
	Radio B/G/N (2.4 GHz)	Radio A/N/AC (5.0 GHz)
WLAN Group	<input checked="" type="checkbox"/> Override Default Setting EdimaxPro	<input type="checkbox"/> Override Default Setting EdimaxPro
Guest Network Group	<input checked="" type="checkbox"/> Override Default Setting Guest	<input type="checkbox"/> Override Default Setting Disable
RADIUS Group	<input type="checkbox"/> Override Default Setting Disable	
MAC Access Control Group	<input type="checkbox"/> Override Default Setting Disable	

Events
1970/01/01 00:01:59: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully 1970/01/01 00:03:09: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully 2012/01/01 00:00:12: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) start NMS WTP service successfully 1970/01/01 18:34:12: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) was disconnected 1970/01/01 18:34:44: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully 2012/01/01 00:00:25: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) start NMS WTP service successfully 1970/01/01 18:51:25: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully 1970/01/01 18:53:31: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) was disconnected 1970/01/01 18:55:00: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully 2012/01/01 00:20:23: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) start NMS WTP service successfully 1970/01/01 19:59:19: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) was disconnected 1970/01/01 20:00:49: [S3]: [admin]: Managed AP(74:DA:38:06:E1:8C) connect successfully

Create User account using front desk

In Add Guest User and Manager Account, we have introduced how to create guest portal user account. Here is another way to create guest portal account. You could type a specific IP address, enter front desk account to login front desk, and create guest portal account.

1. Type URL on the address bar, enter front desk account and password, and click **Login**.



Front Desk Login

Username

Password

2. Select the SSID. There is default Name and Password. User can modify it if necessary. Click **Next**.

EDIMAX Pro Logout | Global (English)

A P C 5 0 0 Guest Account Wizard Guest Account Monitor

Generate Method Manual Profile

Valid Period 1 Days

SSID Gust SSID

Account Number 1

Guest #1 Name Guest_4 Password RRYFJNOFJG

Description

Next >>

3. The new account can be generated here, it's able to be login on the page of guest portal, and has the internet access.
Front desk manager can easy to click the icon to print out the ticket, including of user name and password for the guest portal.

EDIMAX Pro Logout | Global (English)

A P C 5 0 0 Guest Account Wizard Guest Account Monitor

Valid Period 1 Days

Create Time 1970/01/01 22:59:34

Description

S/N	User Name	Password	Action
4	Guest_4	RRYFJNOFJG	

Print All