EnGenius



EWS Series Access Point

Wireless Managed Indoor Access Point

4 Adding Managed AP (Through EnGenius Wireless Management Switch GUI)

A) All Managed AP(s) connected to the same network as the Wireless Management Switch will appear on the right side of the screen, under the Access Point **AP(s) Detected** list. Locate and select the Managed AP by checking the box and click **Add** to manage the device.

EnGenius®		Backup	Upgrade Re	Conset Reboot Lo
EWS7928P	24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP		Q Search	h
Controller Switch	Managed AP(s) A for of hears the table is dealed to first waterial, This worklack for constant of a Skings function where some part scans to base hears advantumes that they are breaks they advantume that the advantume of the dealers information page.	O O ACTIVE	0 OFFLINE	2 ⇔ AP(s) Detecte
Summary Access Points	B O Q.	P Address	E EWS3	IOAP
Active Clients AP Clusters	No data available in table		EWS3	20AP
Visual Monitoring	10 Showing 0 to 0 of 0 entries			
Statistics				



B) You may configure your Managed AP(s) after you successfully connected to the Wireless Management Switch through its GUI.





R|-45 Ethernet Cable





Mounting Kit







Minimum Requirements

- **Broadband Internet Service**
- able or DSL Moden

Mounting Bracket

- Internet Browser (Internet Explorer, Safari, Firefox, Chrome)
- EnGenius Wireless Management L2 Switch
- (To use with EWS Series Management Switches)

5 Configuring Managed AP (Through EnGenius Wireless Management Switch GUI)

A) Configure Managed AP(s) through the GUI interface from the switch for WLAN settings under **Device Management**.. Click the "Device Name" in order to configure your Managed AP

8 U Q IP Address: Subnet Nask:

B) Add Managed AP(s) to specific AP Cluster to save repetitive configuration tasks.

S Device Management							
Summary	Cluster Name		APa 🔍	Member List	÷	Description	· · •
Access Points				NO CASA AVAILACI IN LICEN			
Active Clients	10 • Showing 0 to 0 of 0 entries						Previo
AP Clusters							
	Cluster Setting						
Controller Switch							
B Device Management Summary	4 General Settings						
Acces s Points	l la			(4. 32 channels)			
Active Clients	Name.			(1432 characters)			
AP Clusters							
< Visual Monitoring	Description:			(0~255 characters)			
24 Statistics							
Se Maintenance							
		Managed APs		Cluster Member			
		EWS3104P					
	Namber Sation		A00.84				
	Malloar Samp		<< Del				
		E Show MAC					
	Administrator Usemame:	admin	(1-32 character	8)			
	New Password	Leave blank if unchang	(1~12 character	3)			
	Verify Password	Leave blank if unchang					

Stand-alone Access Point Installation

2 IP Address Configuration

A) Once your computer is on, ensure that your TCP/IP is set to **On** or Enabled, Open Network Connections and then click **Local** Area Connection. Select Internet Protocol Version 4 (TCP/IPv4).



- **B)** If your computer is already on a network, ensure that you have set it to a Static IP Address on the interface.
- (Example: 192.168.1.10 and the Subnet Mask address as 255.255.255.0.)

et Protocol Version 4 (TCP/IPv4) F	Properties 🔐	×						
eral								
u can get IP settings assigned autom s capability. Otherwise, you need to the appropriate IP settings.	natically if your network supp ask your network administra	orts tor						
Obtain an IP address automatically								
Use the following IP address:								
IP address:	192 . 168 . 1 . 10							
Subnet mask:	255 . 255 . 255 . 0							
Default gateway:	1							
Obtain DNS server address autom	atically							
Use the following DNS server addr	resses:							
Preferred DNS server:								
Alternate DNS server:								

Connecting the Access Point (Through EnGenius Wireless Management Switch)

- A) Connect one end of the Ethernet Cable into an Ethernet Port on the front panel of the EnGenius Wireless Management Switch and the other end to the Ethernet Port on the computer
- B) Connect another Ethernet Cable into the LAN Port of the Managed AP and the other end to the **Ethernet Port** on the Wireless Management Switch. With the Wireless Management Switches, the Managed AP is able to obtain proper assigned IP address for further configurations.



C) Users may create several clusters simultaneously to accommodate their deployments under AP Clusters.

EWS7928P	24-Port Gig	abit PoE+ L2 Wireless I	Manager	ment Switch with 4 D	lual-Speed SFP			Q Sec	rch
Controller Switch	AP Cluste	rs							
R Device Management								۹.	
Summary		Cluster Name	*	APs 0	Member List	0	Description		+ Add
Acces s Points	P.	SalesDept		2	EW8310AP (88.DC.96.01:98.85)				18
Active Clients									
AP Clusters	10 • 18	1 of 1 Cluster(s)							Previous Next
and Alfred and Alfred and an									

D) For distinct settings, EnGenius Wireless Management switches still offer individual Managed Access Point customization for cluster members such as different channels that best adapt your local WLAN deployments.



E) Upon successful connection and setup, user can go through different sections on the web management pages to unleash Managed AP's full features for your WLAN deployment and performance monitoring.

B Access Point Setup

A) Open a web browser on your computer. In the address bar of the web browser, enter **192.168.1.1** and enter.



B) A login screen will appear. By default, EnGenius* the username of the Access Point is **admin** and the password is **admin**. Enter the current username and password of the Access Point and then click **Login**.



C) The EnGenius Access Point User Interface will appear. This device can operate in Access Point operating mode.

nGeniu	S				
EWS310AP	Dual Radio AP , 2T2R , 300	Nbps + 300Mbps	Changes : 0	Reset	Logo
Overview	Wireless Settings				
Device Status	Device Name	EWS310AP			
Connections	Country / Region	Please Select a Country Code			
Network Basic	Band Steering	 Enable Disable NOTE: In order for Band Steering function to we Settings must be the same. 	ork properly, both 2.4GH	iz and 5GHz SSID a	nd Security
Wireless		5			
Management					
Advanced		2.4GHz	5GHz		
Time Zone	Operation Mode	Access Point • 🗉 Green	Access P	pint 🔹 🗉 Green🥑	
WiFi Scheduler	Wireless Mode	802.11 B/G/N *	802.11 A/	N 🔹	

Connecting the Access Point

- A) Connect one end of the Ethernet cable into the LAN port of the Access Point and the other end to the **Ethernet port** on the computer. B) Connect the Power Adapter to the DC-IN port of the Access Point
- and plug the other end into an electrical outlet.

Note: The Access Point supports both IEEE 802.3at PoE (Power over Ethernet) or the included power adapter. You may use either one as the power source. **DO NOT use both at the same time.**



ternet Protocol Version 6 (TCP/IPv6) nk-Layer Topology Discovery Map Install... Uninstall Properties OK Cancel

🔮 Broadcom NetXtreme 57xx Gigabit Controlle

Client for Microsoft Networks BQoS Packet Scheduler
 Bile and Printer Sharing for Microsoft Network
 Borner Advanced Course Descent Printer

Configure...

) Obtain an IP address automa	tically
Use the following IP address:	
IP address:	192 . 168 . 1 . 10
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address a	utomatically
o use the following bits server	audiesses.
Preferred Lins server:	
Alternate DNS server:	
Validate settings upon exit	Advanced

Managed Access Point Installation with Wireless Management Switch

2 IP Address Configuration



Mounting the Access Point

The AP can be ceiling mounted or wall mounted depending on the setup.

- To attach the AP to a ceiling or wall using the mounting bracket: A) Attach the mounting bracket to the wall or ceiling using the provided mounting kit.
- **B)** Insert the provided short screws into the mounting holes. Make sure there's enough space between the screws and unit for the mounting
- bracket. If extra space is Wall or Ceiling required, use the provided spacers and long screws from the T-Rail mounting kit. A Mounting Screw 🛛 🖡 **C)** Mount the AP to the mounting bracket by rotating the unit clockwise about 90 degrees lounting Bracket to secure it in place. Long Screw Short Screw B Acces





Technical Support

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Others www.engeniusnetworks.com	Taiwan, R.O.C	technology@senao.com

3 Management Switch Setup

A) Open a web browser on your computer. In the address bar of the web browser, enter 192.168.0.239 and enter.



B) A login screen will appear. By default, username is **admin** and the password is **password**. Enter the current username and password of the Wireless Management Switch and then click Login.



C) The EnGenius Wireless Management Switch User Interface will appear Make sure the **Controller State** is set to **Enabled**.

EWS7928P	24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP	Q Search
Controller Switch	Summary	0 0 0
Device Management	Controller State	MANAGED ACTIVE OFFLINE
Summary Access Points	Enabled Disabled Apply	
Active Clients		
AP Clusters	System Information	
AP Clusters	System Information	

To attach the AP to a ceiling using T-Rail connectors:



Note: To protect your Access Point, use the Kensington security slot to attach a cable lock (cable lock is not included).

Notes



Maximum data rates are based on draft IEEE 802.11ac and IEEE 802.11 standards. Actual throughput and range may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and mix of devices in the network. Features and specifications subject to change without notice. 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 Trademarks and registered trademarks are the property of their respective owners. For United States of America: Copyright ©2014 EnGenius Technologies, Inc. All rights reserved.