### EnGenius

# Quick Installation Guide

EWS850AP Version1.0

WiFi 6 (11ax) Outdoor Access Point/Client Bridge

### Connecting the AP/ Bridge

- A) Connect one end of the Ethernet cable into the LAN(PoE) port of the AP/Bridge and the other end to the PoE port on the PoE Adapter.
- B) Connect the power cord with the PoE Adapter and plug the other end into an electrical outlet.
- **C)** Connect the second Ethernet cable into the LAN port of the PoE Adapter and the other end to the Ethernet port on the computer.
- **D)** Screw on the provided antennas to the top of devices.
- **E)** When all the process is completed, the LED light will be active as below:

LED	State	Description		
PWR 🕛	OFF	No power connection.		
(ORANGE)	On Steady	When the device is connected to a power source.		
	OFF	No Ethernet connection.		
LAN (PoE)	On Steady	An active Ethernet connection is made to the LAN (PoE ) port.		
(Green/Amber)	Blink	Data is being Transmitting/Receiving. The LED color indicates the Ethernet connection speed. Amber for 2.5Gbps and Green for 1Gbps or 100Mbps.		
2.4GHz	On Steady	Ready for data Transmitting/Receiving.		
(Green)	Blink	Data is being Transmitting/Receiving.		
5GHz	On Steady	Ready for data Transmitting/Receiving.		
(Green)	Blink	Data is being Transmitting/Receiving.		

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.)

nternet Protocol Version 4 (TCP/IPv4)	Properties ?						
General							
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator						
Obtain an IP address automatically							
O Use the following IP address:							
IP address:	192.168.1.10						
Subnet mask:	255.255.255.0						
Default gateway:	1						
Obtain DNS server address autor	matically						
Use the following DNS server add	dresses:						
Preferred DNS server:	· · ·						
Alternate DNS server:	· · ·						
Validate settings upon exit	Advanced						
1	OK Concel						

### Package Contents





AP/Bridge



Quick Installation Guide



Power Cord

PoE Adapter Pole Mounting Strap x2

Uuuk

Detachable Antennas 2 x 2.4GHz Antennas 2 x 5GHz Antennas

**Note:** The AP/Bridge should ONLY be powered via Ethernet cable connected to the included PoE Adapter EPA5006GR. You can covert the device to factory default or users default via the reset button on it.



# **3** AP/Bridge Setup

A) To configure the device, open a web browser. In the address bar of web browser, enter 192.168.1.1 and hit enter.



**B)** A login screen will appear. By default, the user-name of the AP/Bridge is **admin** and the password is **admin**. Enter the current username and password of the AP/ Bridge and then click **Login**.



\* The model name will be varied by different models

FnWiF

C) You can also use the EnWiFi App and connect to the management SSID which is on the device label and GUI to configure the device. The default Wi-Fi password is 12345678.



Mounting Bracket

# 







### **Minimum Requirements**

+ **Broadband Internet Service** (Cable or DSL Modem)

#### + Internet Browser

(Internet Explorer, Safari, Firefox, Chrome, Edge)

### **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 Connecton. Select Internet Protocol Version 4 (TCP/IPv4).



## 4. Switching Modes

#### Configure on GUI

A) The device can operate in the following mode: Access Point, Mesh, WDS AP, WDS Bridge, and WDS Station.

EnGenius®			English		
EWS850AP	574Mbps + 1201Mbps	Changes: 0	Reset	Logot	
OverView	Device Information				
Device Status	Device Name	ENIHI 350EYT			
Connections	Sorial Number	Discosop i7			
Realtime	MAC Addross	EWSBOURP			
Network	JAN	00.44.88.26.33.50			
Basic	Wireless I AN - 2 AGH2	00.44.88.26.33.51			
Wireless	Window LAN - SGHr	00.44.89.26.23.52			
Management	Country	Please select the country			
Advanced	Current Local Time	Mon Apr 9 21-48-34 2018			
Time Zone	Untime	19h 13m 40e			
WiFi Scheduler	Firmware Verrien	v2.1.1.c1.0.02			
Tools	Management VI AN ID	Untanned			
, System Manager	Registration Check Code	35734574			
Account	Togon anon circle couc	00704074			
Firmware	_				
Log	Memory Information				
	Total Available	133884 kB / 236448 kB (56%)			
	Free	103244 kB / 236448 kB (43%)			
	Cached	22156 kB / 236448 kB (9%)			
	Buffered	8484 kB / 236448 kB (3%)			
	Free Cached Buffered LAN Information - IPv4 IP Address	100244 80 (23444 80 (2345) 22156 87 / 23448 80 (294) 1049 107 / 23448 80 (295)			
	Subnot Mark	255 255 255 0			

**B)** Click on the **Wireless** link under the **Network** and setup the Operation Mode.

EWS850AP	574Mbps + 1201Mbp				Changer	c 0	Reset	
OverView	Wireless Settings							
Device Status	Device Name	EWS850AP						
Connections	Country / Region	Please select the o	ountry -					
Realtime								
Network								
Basic		2.40	Hz		5GHz			
Wireless	Operation Mode	App	es Point	- 🖸 Gree	n O Acce	ss Point	- 🛛	Creen 🔮
Management	Wireless Mode	802	11 B/G/N	-	802.1	1 AC/N	-	
Advanced	Channel HT Mode	20M	42	-	40M	17	-	
Time Zone				1				
WiFi Scheduler	Channel	Cor	figuration					
Tools	Transmit Power	Auto			Auto		-	
System Manager	Br Bata D	60	fouration					
Account	Dis Trans		nguruuun					
Firmware	Client Limits	• •	nable 🔍 I	Disable	0 E	sable O	Disable	
Log		127			127			
	Multicast to Unicast Stn Conversion	sam O E	nable 🛛 🔿	Disable 0				
	AP Detection	Sca	n		Scar	1		
	Distance (0.30km)	1	(0.6mile	e)	1	(0.6mil	(19	

\* It may take up to 90 seconds for device to initially power up

#### Configure on EnWiFi App

C) Use EnWiFi App, open configure → Wireless to setup the Operation Mode.



#### B) Add Device into a Project

- a. Select a project and go to the device list. The unmanaged devices including Access Points and Switches will be displayed on the list.\*
- **b.** Select devices and then click "Add" button to arrange these devices to the project.



- You can initialize to manage devices under the project. You can consider to manag single device only or a group of configuration.
- \* All managed devices connected to the same network as ezMaster / SkyKey will appear on the device list automatically. You do not need to add device to the inventory list firstly.

#### Pole Mounting the Access Point

- A) Thread the open end of the pole strap through the two tabs on the pole mount bracket.
- **B)** Lock and tighten pole strap to secure pole mount bracket to pole.



### **5** Manage on ezMaster / SkyKey

#### A) Register Devices into Inventory

a. Login in your ezMaster / SkyKey.



b. Before adding devices to your Inventory, please check ETH MAC and checkcode of devices.



### 6 Mounting the Outdoor Access Point

#### Wall Mounting the Access Point

- A) Determine where the Access Point to be placed and mark location on the surface for the four mounting holes of wall mount base. Use the appropriate drill bit to drill two 8.1mm diagram and 26mm depth holes in the markings and hammer the bolts into the openings. Screw the anchors into the holes until they are flush with the wall.
- B) Screw the included screws into the anchors.
- **C)** Slide the mount bracket into the slot of the Access Point.

# **Technical Support**

Country of Purchase	Service Center	Service Information
North America www.engeniustech.com	Los Angeles, USA	support@engeniustech.com Local: (+1) 714 432 8668
www.engeniuscanada.com	Canada	rma@engeniuscanada.com Toll Free: 888 397 2788 Local: (+1) 905 940 8181
Europe www.engeniusnetworks.eu	Netherlands	support@engeniusnetworks.eu Local: (+31) 40 8200 887
Africa / CIS / Middle East www.engenius-me.com	Dubai, UAE	support@engenius-me.com Local: (+971) 4 339 1227
Asia / Oceania www.engeniustech.com.sg	Singapore	techsupport@engeniustech.com.sg Local: (+65) 6227 1088
Taiwan www.engeniustech.com.tw	Taiwan, R.O.C.	twsupport@engeniusnetworks.com Toll Free: 0800 003 885 Local:(+886) 2 2652 1808

C. Go to inventory under global setting of ezMaster / SkyKey and click "Add devices" for inserting ETH MAC and checkcode of devices under the column.

Add Device Piercee Generale List.		9.
D MAC Address *	Description	
0 BECC 96 52 49 87	[EV94500-287799][V64-288-287779	
80 * Showing 1 to 1 of 1 Device(c)		Presset

d. Click "Register" to register devices into the inventory.

es (Theos Code Secolption	

e. These devices were in the inventory of ezMaster / SkyKey.



### Notes

### EnGenius

Maximum data rates are based on 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. Trademarks and registered trademarks are the propercive of their respective owners. For United States of America: Copyright © 2020 EnGenius Technologies, Inc. All rights reserved.



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