EnGenius

Quick Installation Guide

version 1.0

Wireless Management L2 Switch

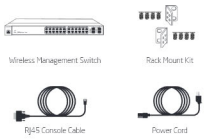
Introduction

The EnGenius EWS Series Wireless Management Switches provide fully-managed L2 switching capabilities and PoE+ support while EWS Wireless Indoor and Outdoor Access Points connected to them can extend a network to provide connectivity for a growing array of wireless client devices. simplified one-to-many mode configuration and authorized to access network resources a company's Internet connection. For efficient manageability, through an easy-to-navigate, browser-based Graphical User Interface (GUI), each EWS Switch also offers priority-based configurations depending on an IT manager's or network administrator's need. Together the EWS Switches and Access Points reach their full potential by allowing for quick deployment, simplified management and monitoring, and seamless concurrent upgrades, making the platform ideal for expansive or expanding business properties and operations.

Unpacking

Open the shipping carton and carefully unpack its contents. Please see the Packaging Contents (right) to make sure all the items are present and undamaged. Please note that the model you have purchased may appear slightly different. If any item is missing or damaged, please contact your local EnGenius reseller for replacement.

Package Contents



Before you connect

- Do not place heavy objects on the Switch.
- Do not expose the Switch to direct sunlight.
- Make sure that there is adequate space (at least 2 inches) for proper heat dissipation around the Switch. Please do not cover the ventilation holes on all sides of the Switch.
- Install the Switch in a fairly cool and dry environment.
- Install the Switch in a site free from strong electromagnetic source.
- Visually inspect the power jack and make sure that it is fully secured to the power cord.

1 Switch Installation

Installing the Switch on a Flat Surface

Install the Switch on a flat surface such as a desktop or shelf, attach the rubber feet on the bottom at each corner of the Switch. The rubber feet cushion the Switch from shock or vibration, and secure space between devices when stacking.

Rack Installation

To mount the Switch onto a rack, attach the included rack mounting brackets to the Switch. Then secure the mounting brackets to the rack. The Switch can be mounted in an EIA standard size, 19-inch rack, which can be placed in a wiring closet with other equipment.

2 Connecting to the Switch

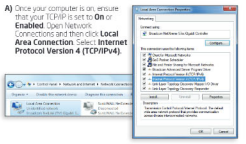
A) Connect the supplied **Power Cord** to the EWS Switch and plug the other end into an electrical outlet. Verify the Power LED indicator is lit on the EWS Switch. Wait for the EWS Switch to complete boot up. It might take few minutes to complete the process.

B) Connect one end of a Category 5/6 Ethernet cable into the Gigabit (10/100/1000) Ethernet port on the Switch's front panel and the other end to the Ethernet Port on the computer. Verify that the LED on the Ethernet port of the Switch is **green**.

C) Connect the EWS AP(s) to the EWS Switch. Verify that the LED on the Ethernet port(s) of the EWS Switch is **green**.

3 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)**.

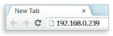


B) If your computer is already on a network, ensure that your have set it to a Static IP Address on the interface.

(Example: 192.168.1.10 and the Subnet Mask address as 255.255.255.0)

4 Management Switch Setup

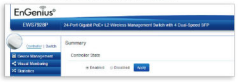
A) Open a web browser on your computer. In the address bar of the web browser, enter **192.168.0.239** and **enter**.



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**.

* Your model number may be different in the web browser interface.

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



5 Device Management

Locating Wireless Managed AP(s)

A) Go to **Device Management** and select **Access Points**. 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.

B) To manage the Managed AP(s), select the desired Managed AP(s) by checking the boxes and click **Add**.

C) You will be prompted to enter an IP Address range for the Managed AP(s).

- Select **DHCP** for an IP Address to be assigned automatically if there is a DHCP server in the network.
- Select **Static** to enter the IP Address, Subnet Mask, Gateway, and DNS Server manually.

Click **Apply** to continue.

Managing Wireless Managed AP(s)

The Managed AP(s) that are successfully being managed will be listed under the Managed AP(s) list. Click on the **Device Name** to access to its Configuration settings. Please refer to the Wireless Management Switch User Manual for more information on configuration settings.

Managing Wireless Management Switch

For further Switch configurations, click on **Switch** at the top left of the dashboard. Refer to the Wireless Management Switch User Manual for more information on configuration settings.

LED Guide

	LED Indicator	LED Color	Status	Meaning
LED Per Device	Power	Green	Solid Light	Power On
			Light Off	Power Off
	Fault	Amber	Solid Light	Error
			Light Off	Normal/Reboot
	PoE Max	Amber	Solid Light	No additional devices can be powered on via PoE
			Light Off	Additional devices may still be added
	LAN Mode	Green	Solid Light	Select LED Mode to "Ethernet Mode"
	PoE Mode	Green	Solid Light	Select LED Mode to "PoE Mode"
LED Per Copper Port	LAN Mode	Green	Solid Light	A valid 1000 Mbps link is established on the port.
		Amber	Solid Light	A valid 100 Mbps link is established on the port.
		Off	Light Off	A valid 10 Mbps link is established on the port.
	PoE Mode	Green	Solid Light	Power is being supplied from the PoE Switch.
		Amber	Solid Light	Error
		Off	Light Off	No Power
	Link/Act	Green	Solid Light	A valid link is established on the port
			Blinking	Packet transmission on the port
			Off	No link is established on the port
LED Per SFP Port	Speed	Green	Solid Light	A valid 1000 Mbps link is established on the port.
		Amber	Solid Light	A valid 100 Mbps link is established on the port.
		Off	Light Off	No link is established on the port
	Link/Act	Green	Solid Light	A valid link is established on the port
			Blinking	Packet transmission on the port
			Off	No link is established on the port

Technical Support

Country of Purchase	Service Center	Service Information
North America www.engeniuscanada.com	Canada	mail@engeniuscanada.com Toll Free: (+1) 800 597 3700 Local: (+1) 909 945 9338
www.engeniustech.com	Los Angeles, USA	support@engeniustech.com Toll Free: (+1) 888 735 7888 Local: (+1) 714 432 8668
Central & South America el.engeniustech.com pg.engeniustech.com	Miami, USA	miamisupport@engeniustech.com Miami: (+1) 305 887 7378 Sao Paulo, Brazil: (+55) 11 3957 0303 D.F. Mexico: (+52) 55 2339 8544
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Asia **Oceania** www.engeniustech.com.sg	Singapore	www.engeniustech.com.sg/e_warranty_form technicalsupport@engeniustech.com.sg Toll Free: Singapore: 1800 364 3648
Others www.engeniusnetworks.com	Taiwan, R.O.C.	technology@senao.com

Notes

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Maximum data rates are based on IEEE 802.3ab standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network. Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. For United States of America customers only. ©2013 EnGenius Technologies, Inc. All rights reserved. Compliance Statement (Part 15): This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.