



## 8-Port Gigabit PoE+ L2 Wireless Management Switch with 2 GbE Ports and 2 Dual-Speed SFP

### Wireless Management made easy: EnGenius EWS Wireless Management Switch Series takes wired/wireless network switching to a whole new level

EnGenius EWS5912FP is an affordable centralized wired/wireless management system developed specifically for entry-level small-to-medium businesses. This powerful device can be easily deployed and operated by non-tech experts and installed effortlessly and quickly. Any organization with limited IT engineer and budget can create a stable and secure wireless network in no time. With no additional costs or license purchasing necessary, network administrators can manage and monitor both wired and nodes through a single web interface. The EWS5912FP can manage up to 20 wireless APs and provides easy-to-setup Wireless Access Point configuration in matter of seconds.

### Optimized Integration with No Bottleneck

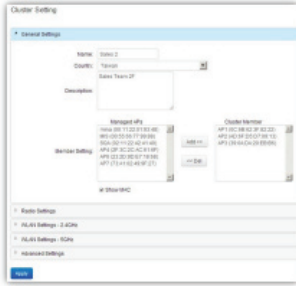
EnGenius EWS5912FP integrates seamlessly with existing routers, switches, firewalls, authentication servers and other network devices, and can be placed within any network, configured to act as a both a Wireless Controller as well as a Layer 2 PoE Gigabit switch, providing robust and centralized management of the whole network through one powerful system!

### Streamlined Configuration to Serve Multiple Constituencies

EWS591FP can be automatically discover any supported EnGenius APs connected to the network with a simple click of a mouse, self-configure and become instantly manageable. Simply log into the device via a web browser and assign APs into cluster groups. Wireless Radio, Wireless Security and other AP configurations can all be easily applied to multiple APs simultaneously, eliminating the time consuming process of configuring each and every Wireless Access Points individually.

### Key Features

- + Manage and monitor up to 20 wireless APs
- + Comprehensive L2 Switch Features
- + 8 Gigabit ports with IEEE802.3af/at PoE Support
- + Access Point Auto Discovery & Provisioning
- + Access Point Cluster Management
- + Topology View / Floor Plan View / Map View
- + Intelligent AP Diagnostic & Troubleshooting
- + Centralized Bulk AP Firmware Upgrade
- + 2 RJ45 & 2 SFP Slots for additional connectivity
- + Internal Power Supply with 130w PoE Budget



**Cluster Setting:** Assign APs to clusters for group configuration



**Managed AP(s) List:** Easily install, configure, manage and monitor all APs in network

## Intuitive User Interface for Easy Management

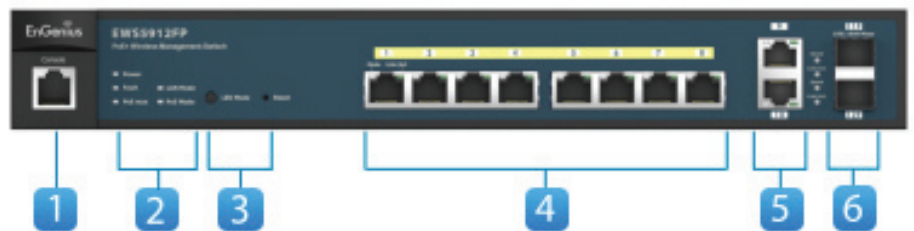
EnGenius EWS5912FP's user friendly GUI provides instant access to a variety of client and network information including Managed AP List, Auto Discovered AP List, Cluster Grouping List, and Client List with complete MAC/IP Address, Incoming/Outcoming Traffic, Wireless Output Power and other relevant information. Statistics of AP and client traffics are automatically generated into easy-to-understand graphs, providing a visual representation of the network traffic. Not to forget the Topology View feature that allows administrators to quickly see the whole wired/wireless network topology at real-time for easier planning, troubleshooting and monitoring, as well as Floor Plan View and Map View which allows for quickly locating deployed AP's, a helpful feature for large scale AP deployment and multi-site management. There's also an Intelligent Diagnostics feature for administrators to check the status of Wireless APs and provide easy troubleshooting for offline units and even capable of rebooting APs remotely. In addition, EWS5912FP's Bulk Upgrade feature can apply new firmware to all supported EnGenius Wireless Access Points on the network, thus greatly simplifying the firmware upgrade process.

## Advanced WLAN features

The Wireless Management Switch comes fully packed with advanced wireless networking features including Band Steering, Fast Handover, Fast Roaming, Mesh Network, Guest Network and SSL Certificate Management. *Wireless Band Steering* automatically directs 5GHz-compatible clients to a 5GHz band to ease traffic congestion on the 2.4GHz band, improving capacity, throughput, and the experience for users in crowded bandwidth-intensive wireless networks. *Fast Roaming* and *Fast Handover* allow mobile users to roam between different APs and seamlessly maintain an uninterrupted connection for latency-sensitive voice and video applications. *Mesh Network*<sup>1</sup> further extends WLAN coverage without the need to have Aps physically connected to the switch, greatly reducing the cost and time requirements of deploying a complicated network. *SSL Certificate Management* enables users to easily setup a self-signed SSL Certificate for securing data transfer between the Wireless Management Switch and Wireless APs, providing a robust security fence for your wireless network.

## Physical Interface

1. RJ45 Console Port
2. LED Indicators
3. Mode Selector & Reset Button
4. PoE RJ45 Ethernet Ports
5. RJ45 Ethernet Ports
5. Dual-Speed SFP Slots



<sup>1</sup> Mesh Network is supported through future firmware upgrade

## General Features

Switching Capacity: 24Gbps  
Forwarding Mode: Store and Forward  
SDRAM: 256MB  
Flash Memory: 32MB

## Port Functions

10 10/100/1000Mbps  
2 100/1000Mbps SFP Slots  
1 RJ45 Console Port

## PoE Capability

PoE Standard: supports IEEE 802.3af/at  
PoE Capable Ports: Port 1~8 output up to 30W  
Total PoE Power Budget: 130Watts

## LED Indicators

Device: Power LED, Fault LED, PoE Max LED,  
LAN Mode LED, PoE Mode LED  
Copper Ports: LAN/PoE Mode, Link/Act  
SFP Ports: Speed, Link/Act

## Physical & Environment

Dimensions (W x D x H)  
330 x 230 x 44 mm (13 x 9 x 1.73mm inches)  
Weight: 1.996kg (4.4lbs)  
Operating Temperature: 0 ~ 50°C (32 ~ 132°F)  
Storage Temperature: -40 ~ 70°C (-40 ~ 158°F)  
Humidity: 5 ~ 95% non-condensing

## WLAN Features

Wireless Network Management

- Manage up to 20 Access Points
- AP Auto Discovery and Provisioning
- AP Auto IP-Assignment
- AP Cluster Management

Wireless Configuration

- Remote Ap Rebooting
- AP Device Name Editing
- AP Radio Settings
- Band Steering
- Traffic Shapping
- AP Client Limiting
- Fast Handover
- Fast Roaming
- Guest Network
- Mesh Network<sup>1</sup>
- Wireless Security (WEP, WPA / WPA2 Enterprise, WPA-PSK / WPA2-PSK)
- VLANs for Access Point - Multiple SSID

<sup>1</sup> Mesh Network is supported through future firmware upgrade

## Wireless Network Monitoring

- AP Status Monitoring
- Wireless Client Monitoring
- Wireless Traffix and USage Statistics
- Visual Topology View
- Floor Plan View
- Map View

## Wireless Network Security

- Secure Control Messaging

## Management

- Local MAC Address Database
- Remote MAC Adress Database (RADIUS)
- Unified Configuration Import / Export
- Intelligent Diagnostics
- Bulk Firmware Upgrade

## L2 Features

IEEE 802.3ad Link Aggregation  
Port Mirroring  
STP/RSTP/MSTP  
IGMP Snooping v1/v2/v3  
IGMP Fast Leave  
MLD Snooping  
VLAN Group  
Voice VLAN  
Cos Queues  
IEEE802.1X Port-based Access Control  
IEEE802.1X Guest VLAN  
Port Security  
Storm Control  
Port Isolation  
Attack Prevention  
IPv4/IPv6 Access Control List (ACL)  
Bandwidth Control  
PoE Management  
SSH Server  
Telnet server  
TFTP Client  
BootP/DHCP Client  
SNMP v1/v2c/v3 support  
TFTP upgrade  
Command Line Interfase (CLI)  
RADIUS Authentication  
SNTP  
RMONv1  
SYSLOG  
Cable Diagnostics  
MIB Support