48-Port Gigabit PoE+ L2 Wireless Management Switch with 4 dual-speed SFP

Wireless management made easy: The EnGenius EWS-series takes wired/wireless network switching to a whole new level

The EnGenius EWS7952FP is an affordable centralized wired/wireless management system devoloped specifically for entry-level small-to-medium businesses. This powerful device can easily deployed and operated by non-tech experts and installed effortless 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 wireless nodes through a single web interface. The EWS7952 can manage up to 50 wireless APs and provides easy-to-setup Wireless Access Point configuration in a matter of seconds.

Optimized integration with no bottleneck

EnGenius EWS7952FP 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

The EWS7952FP 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 50 Wireless APs

+ Comprehensive L2 switch features

+ 48 Gigabit ports with IEEE802.3af/at PoE support

+ Access point discovery & provisioning

+ Access point cluster management

+ Topology view / Floor plan view / Map view

+ Intelligent AP diagnostics & trouble shooting

+ Centralized bulk AP firmware upgrade

+ 4 SFP uplink slots for additioncal connectivity

+ Internal power supply with 740w PoE budget
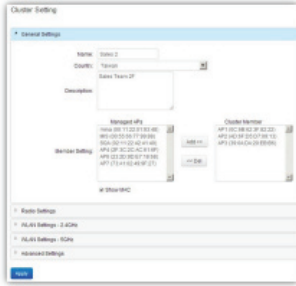
Cluster Setting: Assign APs to clusters for group configuration

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

## Intuitive user interface for easy management

EnGenius EWS7952FP'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 helpfull 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, EWS7952FP'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 incluing Band Steering, Fast Handover, Fast Roaming, Guest Network and SSL Certificate Management. *Wireless Band Steering* automatically directs 5GHz-compatible clients to a 5GHz band to ease traffic cognestion 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. *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 robut security fence for your wireless network.

Physical interface
1. RJ45 Console port
2. LED indicators, Mode selector
   & Reset button
4. PoE RJ45 Ethernet ports
5. Dual-Speed SFP Slots
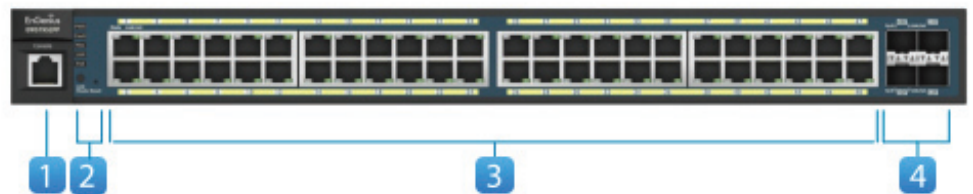
General features
Switching capacity: 104Gbps
Forwarding mode: Store and Forward
SDRAM: 256MB
Flash Memory: 32MB

Port functions
48   10/100/1000Mbps
4   100/1000Mbps SFP slots
1   RJ45 Console Port

PoE Capability
PoE Standard: supports IEEE 802.3af/at
PoE Capable ports: Port 1~48 output up to 30W
Total PoE Power budget: 740Watts

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)
440 x 410 x 44 mm (17.3 x 16.1 x 1.7 inches)
Weight: 6,15kg (13.55lbs)
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 50 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
         Wireless security (WEP, WPA / WPA2
        Enterprise, WPA-PSK / WPA2-PSK)
        - VLANs for Access Point - Multiple SSID

Wireless Network Monitoring
        - AP Status monitoring
        - Wireless client monitoring
        - Wireless traffic 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