



24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

The EnGenius EWS7928FP 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 wireless nodes through a single web interface. The EWS7928FP can manage up to 50 Wireless APs and provides Wireless Access Point configuration with the click of a mouse button. Besides its powerful wireless management capabilities, the EWS7928FP also excels as an advanced full featured L2 PoE switch providing 24 Gigabit ports that supports 802.3af/at-compliant PoE, with a total PoE power budget of 370W. Powerful and flexible enough for deploying high-powered PoE devices such as PTZ cameras, 11ac Wireless Access Points and Video/VoIP phones. In addition, with an optional external redundant power supply (RPS370), the EWS7928FP is capable of supplying a total PoE power budget of up to 740W to satisfy the thirst of power-hungry PoE devices. Whether the end nodes are a wired server or a wireless AP, the entire network can be managed and monitored via this powerful device.

Optimized integration with no bottleneck

The EnGenius EWS7928FP integrates seamlessly with existing routers, switches, firewalls, and other network devices and can be placed within any existing network, either configured to act as a Wireless Controller or as a Layer 2 Gigabit switch. In smaller networks infrastructures, the EWS7928FP can even take the role of both a standalone Wireless Controller and a full featured Layer 2 PoE switch, providing robust and centralized management of a network with one powerful system!

Streamlined configuration to serve multiple constituencies

The EWS7928FP can 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. Essential AP settings like Wireless Channel, Output Power, Client Limit and Wireless Security can all be easily applied to multiple APs simultaneously eliminating the need to configure access points one by one individually.

Intuitive User Interface for easy management

The EnGenius EWS7928FP's user friendly GUI provides instant access to a variety of client and network information including Managed/Unmanaged AP List, Cluster Grouping List, and Client List with complete MAC/IP Address, Incoming/Outgoing Traffic, Wireless Output Power and other relevant information. Not to forget the Topology View feature that allows administrators quickly see the whole wired/wireless network topology at real-time for easier planning, troubleshooting and monitoring. 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, EWS7928FP's Bulk Upgrade feature can apply new firmware to all supported EnGenius Wireless Access Points on the network, thus greatly simplifying the upgrade process.

Key Features

- + Manage and monitor up to 50 wireless APs
- + Comprehensive L2 switch features
- + 24 Gigabit ports with IEEE802.3af/at PoE support
- + Access Point Auto discovery & Provisioning
- + Access Point cluster management
- + Real-time visual topology view
- + Intelligent AP diagnostics & troubleshooting
- + Centralized AP firmware upgrade
- + 4 SFP uplinks slot for additional connectivity
- + Internal power supply with 370w PoE budget
- + Optional Redundant power supply (RPS370)

Standard

Switching capacity: 56Gbps

Forwarding mode: Store and Forward

SDRAM: 256MB

Flash Memory: 32MB

Port functions

24 10/100/1000Mbps ports in the front panel

4 100/1000Mbps SFP Slot

1 RJ45 Console port

PoE capability

PoE standard: Port 1~24 support

IEEE 802.3at/af PoE capable ports: All Gigabit Ethernet

Ports / Up to 30 Watts

Power budget: 370 Watts

LED indicators

Power LED x1

Fault LED x1

PoE Max LED x1

RPS LED x1

LAN Mode LED x1

PoE Mode LED x1

Copper ports: LAN/PoE Mode, Link/Act

SFP ports: Link/Act

Environment & mechanical

Temperature range

Operating: 32 to 132°F / 0 to 50°C

Storage: -40 to 158°F / -40 to 70 °C

Humidity (non-condensing)

<5% - 95%

Wireless Management features (with Neutron series Access Points)

- Manage up to 50 Access Points
- AP Auto Discovery & Auto Provisioning
- Cross Subnet AP Discovery
- AP Auto IP-Assignment
- AP Cluster Management
- Remote AP Rebooting
- AP Device Name Editing
- AP Radio Settings
- Wireless Band Steering
- Wireless Traffic Shaping
- Fast Handover
- Fast Roaming
- AP Client Limiting
- Wireless Security (WEP, WPA / WPA2 Enterprise, WPA-PSK / WPA2-PSK)

- VLANs for Access Point - Multiple SSID

- Guest Network

Wireless Monitoring

- AP Status Monitoring
- Wireless Client Monitoring
- Wireless Traffic and Usage Statistics
- Visual Topology View
- Map View
- SSL Certificate
- Local MAC Address Database
- Remote MAC Address Database (RADIUS)
- Unified Configuration Import/Export
- Intelligent Diagnostic
- Bulk Firmware Upgrade

L2 features

- IEEE802.3ad Link Aggregation
- Port Mirroring
- STP / RSTP / MSTP
- IGMP Snooping v1/v2/v3
- IGMP Fast Leave
- MLD Snooping
- VLAN Group
- Voice VLAN
- Queue
 - CoS based on 802.1p priority
 - CoS based on physical port
 - CoS based on TOS
 - CoS based on DSCP
- IEEE802.1X Port-based Access Control
- IEEE802.1X Guest VLAN
- Port Security
- Storm Control
- Port Isolation
- Attack Prevention
- 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 Interface (CLI)
- RADIUS Authentication
- SNTP
- RMONv1
- SYSLOG
- Cable Diagnostic
- MIB Support