EWS7928FP-FIT

FitSwitch 24 Full PoE
EnGenius Fit 24-Port Gigabit 410W PoE+ Switch with 4 SFP Ports

Overview

EnGenius Fit Layer 2+ Switch, EWS7928FP-FIT, is a high-performance switch that supports zero-touch provisioning and centralized cloud management. Its robust security features ensure protection against network threats, while its Voice-VLAN feature is optimized for quality voice and video traffic.

Features & Benefits

- 24x GE PoE ports for high-speed connections

- 4x SFP uplink ports for bandwidth-intensive applications

- 24x 802.3 at/af PoE+ ports with 410W PoE budget

- Zero touch provisioning, centralized cloud management and visualized monitoring

- Hybrid cloud switch supports flexible management options such as EnGenius FitXpress (cloud-managed), FitController (on-premises), or standalone

- Robust security that supports Port based / MAC based ACL Storm control, DHCP Snooping, DOS Attack Prevention, 802.1X & RADIUS Authentication and more

- Optimized for quality voice and video traffic with Voice-VLAN feature

Technical Specifications

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Port Standards
802.3 10Base-T Ethernet

802.3u 100Base-TX Ethernet

802.3ab 1000Base-T Ethernet

802.3x Full-Duplex Flow Control

Network Port - Gigabit Ethernet Ports
24x GE Ports

Network Port - SFP Ports
4x SFP

Switching Capacity
56Gbps

SDRAM
256MB

Flash Memory
32MB

PoE Capable Ports
Ports 1-24

Total PoE Budget
410W

Power Source
100 to 240 VAC, 50/60Hz

Physical Interface

System Indicators
Power LED

Fault LED

PoE Max LED

LAN Mode LED

PoE Mode LED

Ports Indicators
Link/Activity/Speed (per Ethernet port)

Link/Activity/Speed (per SFP slot)

L3 Software Features

Multiple IP Interface
20 IPv6 address

ARP Table
Max. 192 ARP entries

Static ARP
Static 192 ARP entries

IPv4 Static Route
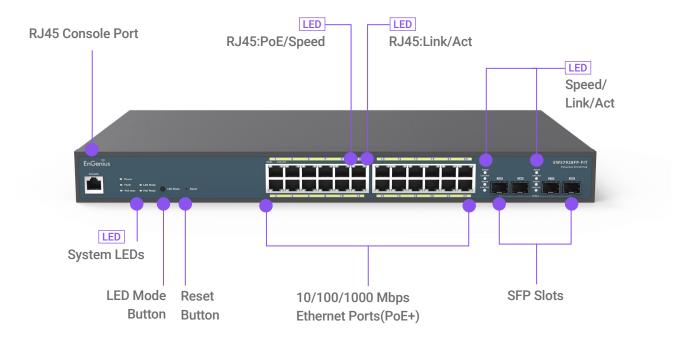Max. 63 entries

IPv6 Static Route
Max. 21 entries

L2 Software Features

Network Management
EnGenius FITCloud

FITCON

Local Web GUI

MAC Address Table
8K

Jumbo frame size
9K

Multicast Group
Max 256 groups

MLD Snooping
MLD Snooping: v1

QoS-number of Priority Queues Supported
Queue 8

QoS Trust Mode
Cos/802.1p

DSCP

CoS/802.1p-DSCP

Scheduling Mechanism
Strict / WRR/ Strict + WRR

Bandwidth Control
Port-based bandwidth control (Ingress/Egress)

Port Security
Max. 256 Entries

Access Control List (ACL)
MAC Based ACL

IPv4/IPv6 Based ACL

ACL Binding

Time base ACL

Web Graphical User Interface (GUI)
HTTP IPv4 / IPv6

HTTPS IPv4 / IPv6

SSL Certificate
Certificate/Key Import

SNMP
SNMP v1/v2c/v3 Support

RMON
RMON 1,2,3,9

System Time
Time Setting/Daylight saving

Common L2 Features
802.1d Spanning tree

Loopback Detection

Multicast Filitering

IGMP Multicast Forwarding

IGMP Snooping

MLD Multicast Forwarding

802.1Q VLAN tagging

802.3x flow control

Technical Specifications

802.3ad Link Aggregation
IPv4 DHCP Relay
IPv4 DHCP Snooping
IPv4 DHCP Snooping Source MAC Address Check-up
ARP Packet Validation (additional validation checks)
Voice VLAN
Port-based VLAN
Protocol-Based VLAN
CoS Mapping
802. 1X Radius Authentication Protocol
IPv4 Settings
IPv6 Settings
IEEE 802. 3az Energy Efficeient Ethernet (EEE)
Command Line Interface (CLI)
SSH Server
Telnet Server
TFTP Client
Configuration Upgrade/ Backup
Simple Network Time Protocol (SNTP)
SYSLOG
802.1d Spanning tree

Environmental & Physical

Temperature Range

Operating: 32°F to 122°F (0°C to 50°C)

Humidity (Non-Condensing)

Operating: 5% - 95%

Device Dimensions & Weight

Device Dimensions & Weights

Weight: 3.9 kg

Width: 440 mm

Length: 260 mm

Height: 44 mm

Package Contents

1x FIT Managed Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

Hardware Overviews

RJ45 Console Port

RJ45:PoE/Speed

LED

RJ45:Link/Act

LED

LED

Speed/
Link/Act

EWS7928FP-FIT
FitSwitch 24 FullPoE

LED

System LEDs

LED Mode
Button

Reset
Button

10/100/1000 Mbps
Ethernet Ports(PoE+)

SFP Slots

Version 1.1 12062023

EnGenius