EnGenius

EnGenius Fit Layer 2 Plus Managed EWS7928FP-FIT 24-Port Gigabit PoE+ Switch with 410W Budget, 4 SFP Uplink Ports

Simple • Secure • Smart

The EnGenius Fit Managed Switch EWS7928FP-FIT is a 24-port Gigabit PoE+ Layer 2 plus switch with a 410W PoE budget and 4 SFP uplink ports.

Manage your network onsite or on-the-go through our **FitXpress** cloud-based mobile app or web portal. Additionally, **FitController** gives you greater control of your network using plug-n-play hardware with embedded network management software. Admins can easily view detailed analytics from a single pane of glass as well as monitor and troubleshoot issues instantly. With its business-class features, the EnGenius Fit managed switch provides secure, reliable, and high-performance switching while reducing capital and operating expenses for cost-conscious small businesses.

Features & Benefits

- 24 10/100/1000 Base-T GbE Ports.

- Full-featured Layer 2 plus switching.

- 802.3af/at PoE ready on all ports with 410W PoE budget

- 56 Gbps switching capacity.

- Setup in minutes with app-based step by step instructions.

- Quick-scan device register, remote monitoring, and troubleshooting.

- Real-time system metrics, analytics, and remote configurations.

- Manage your network onsite or on-the-go through our **FitXpress** cloud-based mobile app or web portal.

- **FitController** gives you greater control of your network using plug-n-play hardware with embedded network management software.

- Monitor a site or multiple sites with no recurring cost or licensing fee .

- Security - access control list/port security; 802.1x authentication.

- IGMP & MLD snooping provides advanced multicast filtering & network efficiency.

- 802.3ad Link Aggregation (LACP), Spanning Tree (STP), Rapid Spanning Tree (RSTP) & Multiple Spanning Tree (MSTP).

- Voice VLAN for fast, reliable deployment of VoIP services.

- Advanced QoS with IPv4/IPv6 ingress traffic filtering (ACLs) & prioritization.

- Standards-based technology ensures interoperability with existing standards-based network devices.

- Dual firmware images improve reliability & network uptime.

Technical Specifications

EWS7928FP-FIT

Port Standards

802.3 10Base-T Ethernet

802.3u 100Base-TX Ethernet

802.3ab 1000Base-T Ethernet

802.3x Full-Duplex Flow Control

Network Ports

24 10/100/1000 Mbps Ports

4 10/100/1000 Mbps SFP Ports

PoE Capable Ports

1-24 (802.3af/at)

All Gigabit Ethernet ports can output up to 30 Watts

Total PoE Budget

410W

Switching Capacity

56Gbps

SDRAM

256MB

Flash Memory

32MB

Packet Buffer Memory

512 KB

Address Database Size

8,000 MAC Addresses

PHYSICAL INTERFACE

LED Indicators

Power LED

Fault LED

PoE Max LED

LAN Mode LED

PoE Mode LED

Ports

Link/Activity/Speed (per Ethernet port)

SFP Ports

Link/Act LED

Reset Button

SOFTWARE FEATURES

Multiple IP Interface

20 IPv6 address

ARP Table

Max. 192 ARP entries

Static ARP

Static 192 ARP entries

IPv4 Static Route

Max. 59 entries

IPv6 Static Route

Max. 5 entries

SOFTWARE FEATURES (L2 FEATURE)

MAC Address Table

8K

Jumbo Frame

9K

Multicast Group

Max 256 groups

Port Security

Max. 256 Entries

SSL Certificate

Certificate/Key Update

L2 Features

802.1Q VLAN tagging

VLAN Table

Port-based VLAN

Voice VLAN

GARP VLAN Registration Protocol

802.1d Spanning tree
    RSTP
    CIST
    MSTP

802.3ad Link Aggregation

Loopback Detection

L3 Feature

IGMP Snooping

MLD Snooping

DHCP Snooping

DHCP Relay

Static Route

Port Settings

Multicast Filtering

EEE

Port Isolation

Port Mirror

Jumbo Frames

LLDP

Security

802. 1X Radius Authentication Protocol

Access:	

Web:
    HTTP Service
    HTTPs Service	

Command Line Interface (CLI):
    Telnet Service
    SSH Service	

Port Security	
Radius Server	
DoS Prevention	

System Settings

IP Settings:
    IPv4 Management
    IPv6 Management
    IPv4 Network

ARP Table
ARP Statistics
Simple Network Time Protocol (SNTP)

Analyze

Log:
    Local Logging
    Remote Logging

Diagnostic

Cable Diagnostics
Ping Test
IPv6 Ping Test
Trace Route
Connection Diagnostic

Access Control List (ACL)

MAC Based ACL
MAC ACE
IPv4 ACL
IPv4 ACE
IPv6 ACL
IPv6 ACE
ACL (Port) Binding

SNMP

SNMP v1/v2c/v3 Support

RMON

RMON 1,2,3,9

QoS

CoS Mapping
DSCP Mapping
Port CoS
Bandwidth Control
Storm control
Advanced Mode

MIB/RFC Standars

RFC1213
RFC1493
RFC1757
RFC2674
RFC2863

ENVIRONMENT & MECHANICAL

Temperature Range

Operating: 32 to 104°F/0 to 40°C
Storage: -40 to 158°F/-40 to 70 °C

Humidity (Non-Condensing)

5% - 95%

Package Contents

1x Fit L2+ Managed 24 Ports EWS7928FP-FIT PoE+ Gigabit Switch
1 x Power Cord
1 x RJ45 Console Cable
1 x Rack Mount Kit
Quick Start Guide QR Code
FitXpress Cloud-Based Mobile App QR Code

DEVICE, PACKAGING & MASTER CARTON DIMENSIONS & WEIGHTS

EWS7928FP-FIT Device

Weight: 10.62 lbs
Width:17.32" (440 mm)
Length: 10.23" (260 mm)
Height: 1.73" (44 mm)

Packaging

Weight:13.13 lbs
Width: 20.95" (532mm)
Length:13.63" (346mm)
Height: 3.97" (101mm)

Warranty

1 Year

Product Images

RJ45 Console Port

LED
RJ45:PoE/Speed

LED
RJ45:Link/Act

LED
Speed/
Link/Act

LED
System LEDs

LED Mode
Button

Reset
Button

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

SFP Slots