

ECS2528FP



CloudSwitch MGPlus 24 Full PoE

Cloud Managed 24-port 410W PoE+ Multi-Gigabit 2.5 Gb Switch with 4 x SFP+ Uplink Ports

Overview

EnGenius Cloud Managed Layer 2+ Multi-Gigabit Switch ECS2528FP combines 8 × 2.5GbE PoE+, 16 × Gigabit PoE+, 4 × 10G SFP+ uplinks, and a 410W PoE budget to support modern SMB networks. Zero-touch provisioning and centralized cloud management simplify deployment and ongoing operations.



Features & Benefits

- 8 × 2.5GbE PoE+ ports for NAS, workstations, and Wi-Fi APs
- 16 × Gigabit PoE+ ports for IP cameras, VoIP phones, workstations, and other devices
- 4 × 10G SFP+ uplinks for high-speed NAS and server connectivity
- 24x 802.3af/at PoE+ ports with 410W power budget
- Zero touch provisioning, centralized cloud management and visualized monitoring
- Hybrid cloud switch supports flexible management options such as EnGenius Cloud or standalone
- Advanced security with ACL, Storm Control, DHCP Snooping, DoS prevention, 802.1X, and RADIUS authentication
- Optimized for quality voice and video traffic with Voice-VLAN feature
- Extended PoE deployment up to 250 meters
- PD Lifeguard with real-time detection and automatic camera recovery
- Continuous PoE power during switch upgrades

Technical Specifications

General

Port Standards

802.3u 100Base-TX Ethernet
802.3ab 1000Base-T Ethernet
802.3bz 2.5G/5GBase-T Ethernet
802.3x Full-Duplex Flow Control

Network Port - Gigabit Ethernet Ports

16x10/100/1000 Mbps Ports

Network Port - Multi-Gigabit Ethernet Ports

8x 100/1000/2500 Mbps Ports

Network Port - SFP+ Ports/

4x SFP+ Ports

Switching Capacity

152Gbps

SDRAM

512MB

Flash Memory

128MB

PoE Capable Ports

Ports 1-24 (802.3af/at)

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

Port 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

IPv4 Static Route

Max. 63 entries

IPv6 Static Route

Max. 21 entries

L2 Software Features

Network Management

EnGenius Cloud

Local Web GUI

MAC Address Table

16k

Jumbo frame size

10K

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

Web Graphical User Interface (GUI)

HTTP IPv4 / IPv6
HTTPS IPv4 / IPv6

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
802.1w Rapid Spanning Tree
802.1S Rapid Spanning Tree
Loopback Detection
Multicast Filtering
IGMP Snooping
802.1Q VLAN tagging
802.3x flow control
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

CoS Mapping

802.1X Radius Authentication Protocol

IPv4 Settings/ IPv6 Settings

IEEE 802.3az Energy Efficient Ethernet (EEE)

Command Line Interface (CLI)

SSH Server

Telnet Server

TFTP Client

Configuration Upgrade/ Backup

Simple Network Time Protocol (SNTP)

SYSLOG

Broadcast/Unknown Multicast/Unknown Unicast Storm Control

Technical Specifications

Environmental & Physical

Temperature Range

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

Humidity (Non-Condensing)

Operating: 5% - 95%

Device Dimensions & Weight

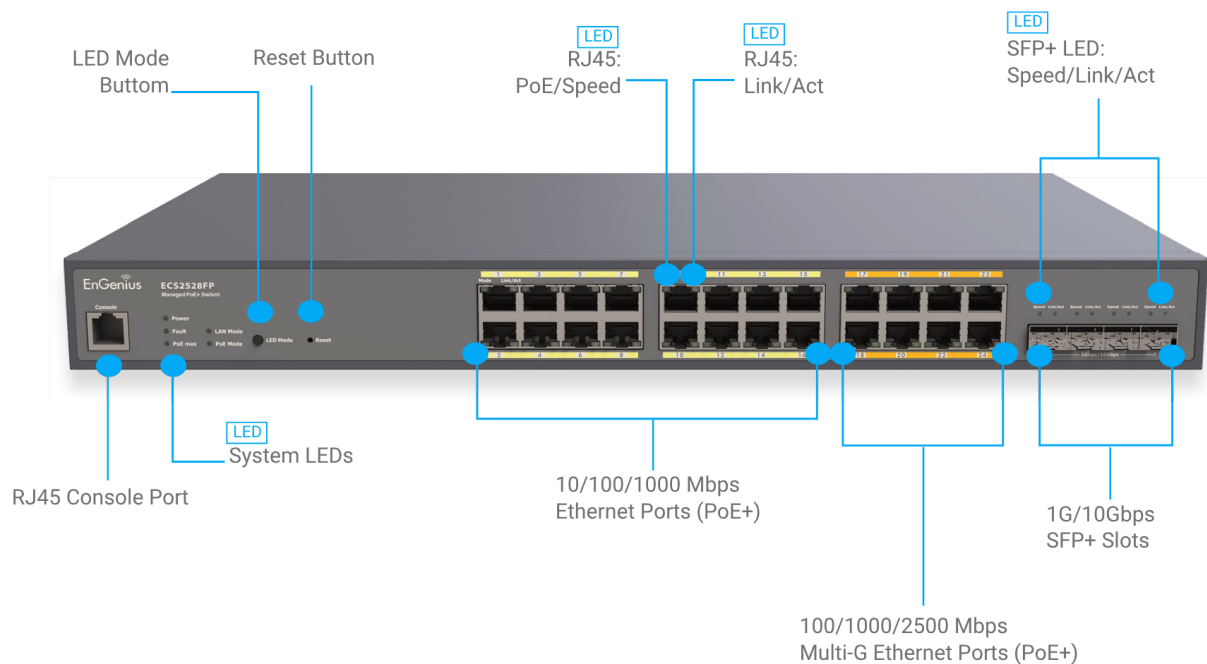
Device Dimensions & Weights

Weight: 4.7Kg
Width: 260mm
Length: 440mm
Height: 44mm

Package Contents

1x Cloud Managed Gigabit Switch
1x Product Card
1x Power Cord
1x RJ45 Console Cable
1x Rack Mount Kit

Hardware Overview



Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense. Prior to installing any surveillance equipment, it is your responsibility to ensure the installation is in compliance with local, state and federal video and audio surveillance and privacy laws.

