



## 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 2.5Gb Switch, ECS2528FP, provides SMBs with an easy-to-use and cost-effective network solution. With its 16-Port Gigabit PoE+ and 8-Port 2.5G PoE+ as well as 4-Port 10G SFP+ uplink with 410W budget, it ensures high-speed data transfer for bandwidth-intensive applications. With zero-touch provisioning and centralized cloud management, it simplifies network management and saves time.



### Features & Benefits

- 8x 2.5G PoE+ Ports to unleash elevated speeds for NAS, workstations or WiFi 6 APs
- 16x Gigabit PoE+ ports for a wide range of network devices such as IP cameras, VoIP phones, workstations and more
- 4x 10G SFP+ (fiber) uplink ports to high-speed NAS and servers for a high-performance network
- 24x 802.3af/at PoE+ ports with 410W power budget
- Zero touch provisioning, centralized cloud management and visualized monitoring
- Hybrid cloud switch with EnGenius Cloud or standalone options
- 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
- PoE Extended Mode - Extend PoE Ethernet cable deploying range up to 250 meters
- PD Lifeguard - Real-time detecting and auto-reboot PoE power for failed camera
- Continuous PoE Power - Steady supply of PoE power for camera during switch upgrades

# Technical Specifications

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### 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

## Technical Specifications

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

### 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 ECS Managed Gigabit Switch

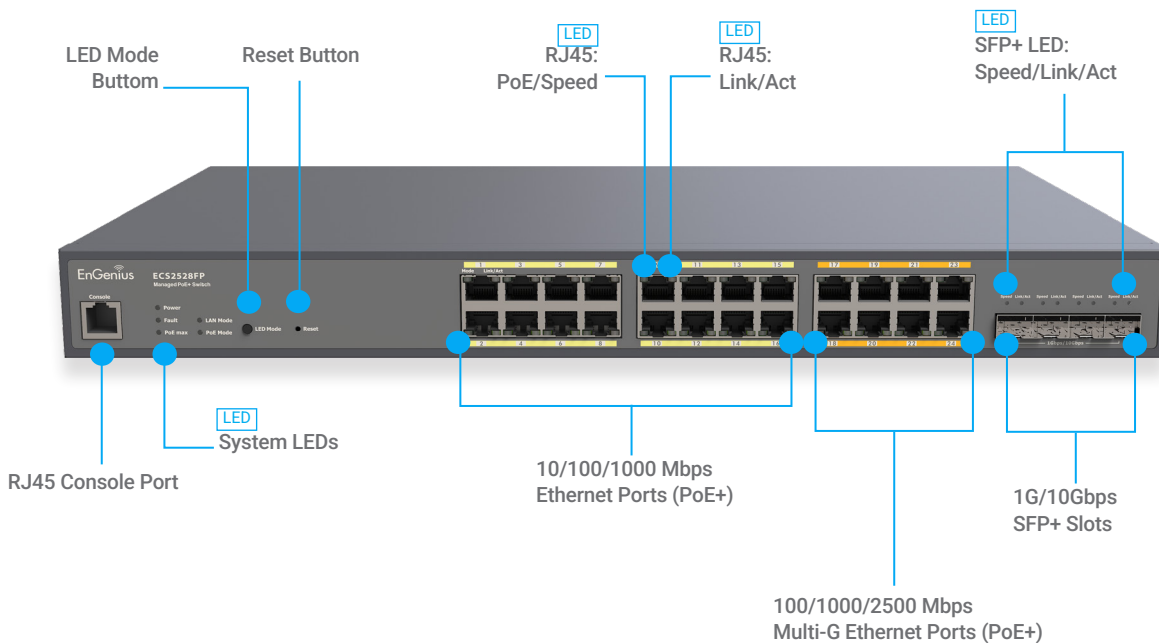
1x Product Card

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

## Hardware Overviews



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