



ECS5512FP



# Cloud Managed 8-Port 10 Gigabit PoE++ Switch with 4 SFP+ Ports

Layer 2+ Switch Comes With a 420W Power Budget and 4 10Gig Uplink Ports

## Product Highlights

The EnGenius Cloud ECS5512FP is an 8-port, 10G per port, PoE++ layer 2+ switch that comes with a 420W power budget and 4 10G uplink ports, ensuring peak network efficiency and performance for successful large businesses. Choose Cloud or on-premises management based on your network architecture, administrative permissions, technical aptitude, and budget.



## Features & Benefits

- Full-featured layer 2+ switching
- 8 100/1000/2500/5000/10000 Base-T GbE ports to serve high-bandwidth devices
- 802.3af/at/bt PoE++ capable on all ports with a 420W PoE budget for maximum power supply to devices
- 240 Gbps switching capacity for improved performance
- 4 Dual-Speed 10G SFP+ (fiber) uplink ports to connect at long distances, high speeds & high capacity
- Security - access control list/port security; 802.1X & RADIUS authentication
- IGMP & MLD snooping provides advanced multicast filtering & network efficiency
- 802.3ad link aggregation (LACP) supports traffic load balancing
- Spanning Tree (STP), Rapid Spanning Tree (RSTP) & Multiple Spanning Tree (MSTP)

## Port Standards

- 802.3 10Base-T Ethernet
- 802.3u 100Base-TX Ethernet
- 802.3ab 1000Base-T Ethernet
- 802.3bz 2500/5000Base-T Ethernet
- 802.3an 10000Base-T Ethernet
- 802.3x Full-Duplex Flow Control

## Network Ports

8 10/100/1000/2500/5000/10000 Mbps Ports + 4x SFP+ Ports

## Switching Capacity

240Gbps

## SDRAM

512MB

## Flash Memory

128MB

## PoE Capable Ports

1-8 (802.3bt/at/af)

## Total PoE Budget

420W

## Power Source

100 ~ 240VAC, 50-60Hz

## Physical Interface

### LED Indicators

- Power LED
- Fault LED
- PoE Max LED
- LAN Mode LED
- PoE Mode LED

### Ports

- Link/Activity/Speed (per Ethernet port)
- Link/Activity/Speed (per SFP slot)

## Software Features(L3 Feature)

### 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

---

### Software Features(L2 Feature)

#### Network Management

EnGenius Cloud

SkyKey

ezMaster

Local Web GUI

---

#### MAC Address Table

32K

---

#### Jumbo Frame

9K

---

#### Multicast Group

Max. 192 ARP entries

---

#### Static ARP

Static 192 ARP entries

---

### IPv4 Static Route

Max. 63 entries

---

### IPv6 Static Route

Max. 21 entries

---

### Software Features(L2 Feature)

#### Network Management

EnGenius Cloud

ezMaster

Local Web GUI

---

#### MAC Address Table

32K

---

#### Jumbo Frame

9K

---

#### Multicast Group

Max 256 groups

---

#### MLD Snooping

MLD Snooping: v1

---

### QoS-Number of Priority Queues Supported

Queue 8

---

#### 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 Filtering

IGMP Multicast Forwarding

IGMP Snooping

MLD Multicast Forwarding

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 Inspection

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 Efficient 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%

---

#### Package Contents

1x ECS Managed 10-Gigabit Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

---

### Device Dimensions & Weights

Weight: 5.75lbs (2.61 kg)

Width: 9.05" (230 mm)

Length: 12.99" (330 mm)

Height: 1.73" (44 mm)

---

#### Warranty

2 year

---

# ECS5512FP

