



# Cloud Managed 2.5G 8-Port 240W PoE++ Multi-Gigabit Switch w/ 4 SFP+ Uplink Ports

Layer 2+ 240W PoE++ Multi-Gigabit Switch with 4 10G SFP+ Uplink Ports for Large Businesses

## Product Highlights

EnGenius Cloud ECS2512FP Multi-Gigabit Switch has 8-Ports, 2.5G per port, 802.3af/at/bt PoE++ Layer 2+ with 240W Budget, and 4 10G SFP+ uplink ports. Multi-Gigabit switches optimize network efficiency ensuring peak performance for large businesses. Select Cloud or on-premises management options based on network architecture, administrative permissions, technical aptitude, or budget.



## Features & Benefits

- Full-Featured Layer 2+ Switching
- 8 10/100/1000/2500 Base-T GbE Ports to serve high-bandwidth devices
- 802.3af/at/bt PoE++ capable on all ports with a 240W PoE budget
- 120 Gbps Switching capacity for improved performance
- 4 Dual-Speed 10G SFP+ (fiber) uplink ports

### Port Standards

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

### Network Ports

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

### Switching Capacity

120Gbps

### SDRAM

512MB

### Flash Memory

128MB

### PoE Capable Ports

1-8 (802.3bt/at/af)

### Total PoE Budget

240W

### 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

16K

### 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 Multi-Gigabit Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

### Device Dimensions & Weights

Weight: 5.7lbs (2.6 kg)

Width: 9.05" (230 mm)

Length: 12.99" (330 mm)

Height: 1.73" (44 mm)

### Warranty

2 year