EnGenius Cloud Managed ECS2510FP

8-Port Multi-Gigabit L2+ PoE++ Switch with 240W & 2 SFP+ Uplink Ports

Product Highlights

EnGenius cloud managed ECS2510FP 8-port multi-gigabit (2.5G) layer 2+ PoE++ (802.3bt/at/af) switch with 240W budget and 2 SFP+ (10G) uplink ports offering multiple management options and can easily be configured, monitored, and managed. The ECS2510FP is ideal for powering IP cameras, VoIP phones, and access points in large businesses.

Bullet Points/Differentiators

- 8 10/100/1000/2500 Base-T GbE ports
- Full-featured Layer 2+ switching
- 802.3af/at/bt PoE++ capable on all ports with a 240W PoE budget
- 120 Gbps switching capacity
- 2 10-gigabit dual-speed SFP+ (fiber) uplink ports
- PoE extended mode to expand PoE Ethernet cable deploying range up to 250 meters
- PD Lifeguard for real-time detecting and auto-reboot of PoE power for failed camera
- Continuous PoE power provided to camera during switch upgrades
- Real-Time system metrics, deep-dive analytics, and remote configurations
- Quick-scan device register, remote monitoring, and troubleshooting
- Advanced view displays network topology with devices and relationships
- Hybrid switch supports multiple management options
- 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)
- Voice VLAN for fast, reliable deployment of VoIP services
- Advanced QoS with IPv4/IPv6 ingress traffic filtering (ACLs) & prioritization
- Energy efficient Ethernet (802.3az) improves energy savings when used with compliant devices
- Standards-based technology ensures interoperability with existing network devices
- Dual firmware images improve reliability & network uptime

Technical Specifications

ECS2510FP	
Port Standards	
802.3 10Base-T Ethernet	
802.3u 100Base-TX Ethernet	
802.3ab 1000Base-T Ethernet	
802.3bz 2.5G Base-T Ethernet	
802.3x Full-Duplex Flow Control	
Network Ports	
8 10/100/1000/2500 Mbps Ports	
2 SFP+ Ports	
Switching Capacity	
120Gbps	
SDRAM	
512MB	
Flash Memory	
128MB	
PoE++ Capable Ports	
1-8 (802.3 af/at/bt)	
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 Interfaces
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

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 Cloud Managed Gigabit Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

DIMENSIONS & WEIGHTS

Device
Weight: 5.7 lbs. (2.6 kg)

Width: 12.99" (330 mm)

Length: 9.05" (230 mm)

Height: 1.73" (44 mm)

Packaging
Weight: 7.4 lbs. (3.37 kg)

Width: 15.6" (394 mm)

Length: 12.2" (309 mm)

Height: 4" (104 mm)

Certifications
CE, FCC, IC

Warranty
2 years

Product Images

ECS2510FP

Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network.