



ECS2510FP



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.



Features & Benefits

- 8 10/100/1000/2500 Base-T GbE ports
- Full-featured Layer 2+ switching
- 802.3af/at 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

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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)

Total PoE Budget

240W

Power Source

100 ~ 240VAC, 50-60Hz

Physical Interface	Port Security	SSH Server
LED Indicators	Max. 256 Entries	Telnet Server
Power LED	Access Control List (ACL)	TFTP Client
Fault LED	MAC Based ACL	Configuration Upgrade/Backup
PoE Max LED	IPv4/IPv6 Based ACL	Simple Network Time Protocol (SNTP)
LAN Mode LED	ACL Binding	SYSLOG
PoE Mode LED	Time base ACL	802.1d Spanning tree
Ports	Web Graphical User Interface (GUI)	Environmental & Physical
Link/Activity/Speed (per Ethernet port)	HTTP IPv4 / IPv6	Temperature Range
Link/Activity/Speed (per SFP slot)	HTTPS IPv4 / IPv6	Operating: 32°F to 122°F (0°C to 50°C)
Software Features (L3 Feature)	SSL Certificate	Humidity (Non-Condensing)
Multiple IP Interfaces	Certificate/Key Import	Operating: 5% - 95%
20 IPv6 address	SNMP	Package Contents
ARP Table	SNMP v1/v2c/v3 Support	1x Cloud Managed Gigabit Switch
Max. 192 ARP entries	RMON	1x Quick Installation Guide
Static ARP	RMON 1,2,3,9	1x Power Cord
Static 192 ARP entries	System Time	1x RJ45 Console Cable
IPv4 Static Route	Time Setting/Daylight saving	1x Rack Mount Kit
Max. 63 entries	Common L2 Features	Dimensions & Weights
IPv6 Static Route	802.1d Spanning tree	Device
Max. 21 entries	Loopback Detection	Weight: 5.7 lbs. (2.6 kg)
Software Features (L2 Feature)	Multicast Filtering	Width: 12.99" (330 mm)
Network Management	IGMP Multicast Forwarding	Length: 9.05" (230 mm)
EnGenius Cloud	IGMP Snooping	Height: 1.73" (44 mm)
Local Web GUI	MLD Multicast Forwarding	Packaging
MAC Address Table	802.1Q VLAN tagging	Weight: 7.4 lbs. (3.37 kg)
16K	802.3x flow control	Width: 15.6" (394 mm)
Jumbo Frame	802.3ad Link Aggregation	Length: 12.2" (309 mm)
9K	IPv4 DHCP Relay	Height: 4" (104 mm)
Multicast Group	IPv4 DHCP Snooping	Certifications
Max 256 groups	IPv4 DHCP Snooping Source MAC Address Check-up	CE, FCC, IC
MLD Snooping	ARP Inspection	Warranty
MLD Snooping: v1	ARP Packet Validation (additional validation checks)	2 years
QoS-Number of Priority Queues Supported	Voice VLAN	
Queue 8	Port-based VLAN	
Trust Mode	Protocol-Based VLAN	
Cos/802.1p	CoS Mapping	
DSCP	802. 1X Radius Authentication Protocol	
CoS/802.1p-DSCP	IPv4 Settings	
Scheduling Mechanism	IPv6 Settings	
Strict / WRR/ Strict + WRR	IEEE 802. 3az Energy Efficient Ethernet (EEE)	
Bandwidth Control	Command Line Interface (CLI)	
Port-based bandwidth control (Ingress/ Egress)		

Product Images

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