EnGenius

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

- ull-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)

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

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

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 Filitering

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 Efficeient 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