



ECS5512



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

Layer 2+ Switch Comes With 4 10Gig Uplink Ports, Ensuring Network Efficiency

## Product Highlights

The EnGenius Cloud ECS5512 is an 8-port, 10G per port, layer 2+ switch that comes with 4 10G uplinks ports. These 10 gig switches with enterprise-class features ensure network efficiency and peak performance for large businesses. Cloud or on-premises management is available based on 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
- 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)
- Voice VLAN for fast, reliable deployment of VoIP services

### 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

### 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 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: 4.54lbs (2.06 kg)

Width: 9.05" (230 mm)

Length: 12.99" (330 mm)

Height: 1.73" (44 mm)

### Warranty

2 year