



## CloudSwitch Aggregate 8XG

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

### Overview

EnGenius Cloud Managed Layer 2+ Aggregate Switch, ECS5512 is a reliable and easy-to-manage 8-Port 10G with 4-port 10G SFP+ uplink switch that provides high-speed connectivity for your network devices. Its Zero-touch provisioning and centralized cloud management make it easy to set up and manage your network from anywhere, anytime. With its Voice-VLAN feature and robust security, you can ensure quality voice and video traffic while protecting against malicious attacks.



### Features & Benefits

- 8x 10G ports to support ultra-high bandwidth applications
- 4x 10G SFP+ (fiber) uplink ports to high-speed NAS and servers for a high-performance network
- Zero touch provisioning, centralized cloud management and visualized monitoring
- Hybrid cloud switch supports flexible management options such as EnGenius Cloud or standalone
- Robust security that supports Port based / MAC based ACL Storm control, DHCP Snooping, DOS Attack Prevention, 802.1X & RADIUS Authentication and more
- Optimized for quality voice and video traffic with Voice-VLAN feature

# Technical Specifications

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### Port Standards

802.3u 100Base-TX Ethernet

802.3ab 1000Base-T Ethernet

802.3bz 2.5G/5GBase-T Ethernet

802.3x Full-Duplex Flow Control

### Network Port - Multi-Gigabit Ethernet Ports

8x100/1000/2500/5000/10000 Mbps Ports

### Network Port - SFP+ Ports

4x SFP+ Ports

### Switching Capacity

240Gbps

### SDRAM

512MB

### Flash Memory

128MB

### Power Source

100 to 240 VAC, 50/60Hz

## Physical Interface

### System Indicators

Power LED

Fault LED

### Port Indicators

Link/Activity/Speed (per Ethernet port)

Link/Activity/Speed (per SFP slot)

## L3 Software Features

### Multiple IP Interface

20 IPv6 address

### ARP Table

Max. 192 ARP entries

### IPv4 Static Route

Max. 63 entries

### IPv6 Static Route

Max. 21 entries

## L2 Software Features

### Network Management

EnGenius Cloud

Local Web GUI

### MAC Address Table

32k

### Jumbo frame size

10K

### Multicast Group

Max 256 groups

### MLD Snooping

MLD Snooping: v1

### QoS-number of Priority Queues Supported

Queue 8

### QoS 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

### Web Graphical User Interface (GUI)

HTTP IPv4 / IPv6

HTTPS IPv4 / IPv6

### 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

802.1w Rapid Spanning Tree

802.1S Rapid Spanning Tree

Loopback Detection

Multicast Filtering

IGMP Snooping

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 Packet Validation (additional validation checks)

Voice VLAN

Port-based VLAN

CoS Mapping

802.1X Radius Authentication Protocol

IPv4 Settings/ IPv6 Settings

Command Line Interface (CLI)

SSH Server

Telnet Server

TFTP Client

Configuration Upgrade/ Backup

Simple Network Time Protocol (SNTP)

SYSLOG

Broadcast/Unknown Multicast/Unknown Unicast Storm Control

# Technical Specifications

## Environmental & Physical

### Temperature Range

Operating: 32°F to 122°F (0°C to 50°C)

### Humidity (Non-Condensing)

Operating: 5% - 95%

## Device Dimensions & Weight

### Device Dimensions & Weights

Weight: 2.6 kg

Width: 230 mm

Length: 330 mm

Height: 44 mm

### Package Contents

1x Cloud Managed Gigabit Switch

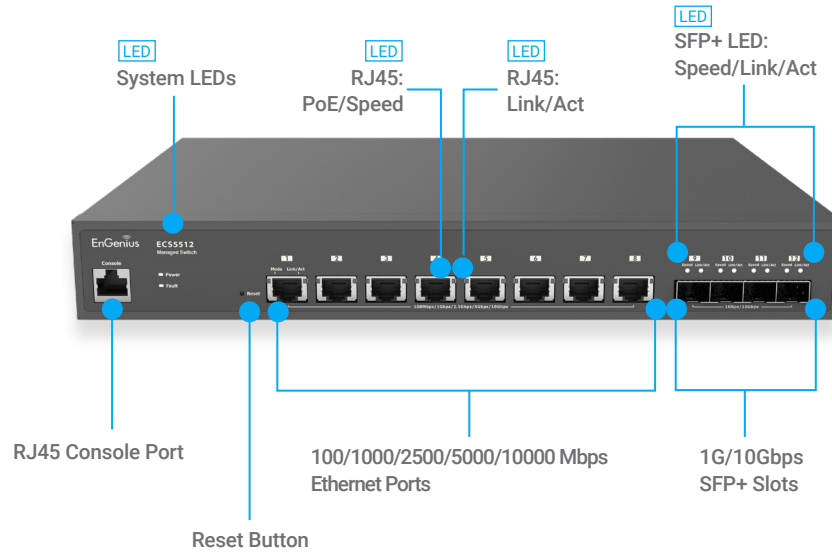
1x Product Card

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

## Hardware Overviews



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