



## CloudSwitch Aggregate 12 Cloud Managed 12 x SFP+ Ports Switch

### Overview

EnGenius Cloud Managed Layer 2+ Aggregate Switch, ECS5512F is a reliable and easy-to-manage 12-Port 10G SFP+ uplink ports 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

- 12x 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 - SFP+ Ports

12x 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 SFP slot)

## L3 Software Features

### 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

## 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

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

802.1w Rapid Spanning Tree

802.1S Rapid 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 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

# Technical Specifications

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Simple Network Time Protocol (SNTP)

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SYSLOG

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## Environmental & Physical

### Temperature Range

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

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### Humidity (Non-Condensing)

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Operating: 5% - 95%

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## Device Dimensions & Weight

### Device Dimensions & Weights

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Weight: 4.4 kg

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Width: 330.20 mm

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Length: 228.60 mm

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Height: 43.94 mm

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### Package Contents

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1x Cloud Managed Gigabit Switch

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1x Product Card

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1x Power Cord

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1x RJ45 Console Cable

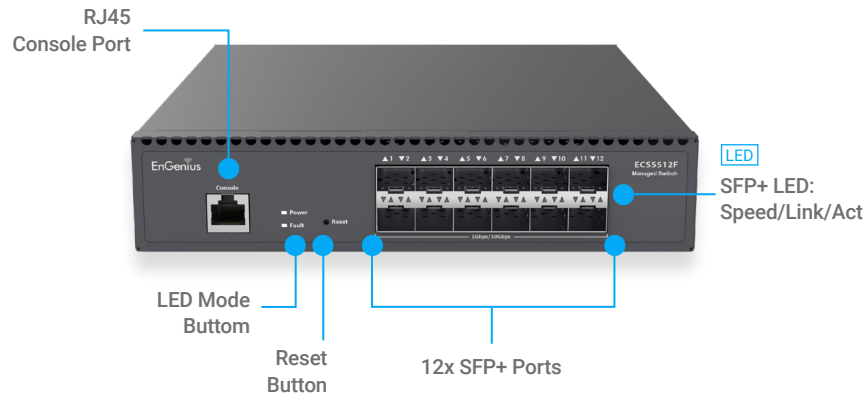
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1x Rack Mount Kit

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## Hardware Overviews



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