



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

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

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: 4.4 kg

Width: 330.20 mm

Length: 228.60 mm

Height: 43.94 mm

Package Contents

1x Cloud Managed Gigabit Switch

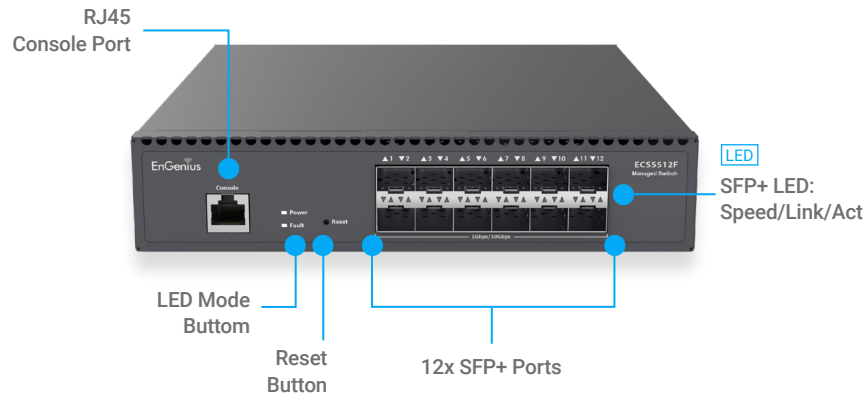
1x Product Card

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

Hardware Overviews



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