EnGenius

ECS1552FP

CloudSwitch L2Plus 48 Full PoE
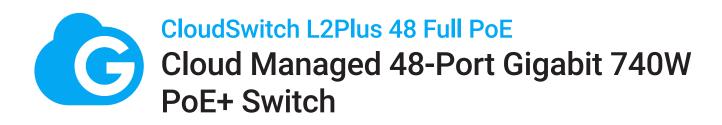# Cloud Managed 48-Port Gigabit 740W PoE+ Switch

Overview

EnGenius Cloud Managed Layer 2+ Switch ECS1552FP offers 48 Gigabit PoE+ ports, 4 10G SFP+ uplink ports, and a 740W budget, ideal for SMBs. It supports zero-touch provisioning and centralized cloud management. With advanced security features, Voice-VLAN, and PoE Extended Mode, it optimizes network efficiency for quality voice and video traffic, enabling peak performance for SMBs

Features & Benefits

- 48x Gigabit PoE+ ports for high-speed connections

- 4x 10Gbps SFP+ uplink ports for bandwidth-intensive applications

- 48x 802.3af/at PoE+ ports with 740W PoE budget

- 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

- PoE Extended Mode - Extend PoE Ethernet cable deploying range up to 250 meters

- PD Lifeguard - Real-time detecting and auto-reboot PoE power for failed camera

- Continuous PoE Power - Steady supply of PoE power for camera during switch upgrades

Technical Specifications

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Port Standards
802.3 10Base-T Ethernet

802.3u 100Base-TX Ethernet

802.3ab 1000Base-T Ethernet

802.3x Full-Duplex Flow Control

Network Port - Gigabit Ethernet Ports
48x10/100/1000 Mbps Ports

Network Port - SFP+ Ports/
4x SFP+ Ports

Switching Capacity
176Gbps

SDRAM
512MB

Flash Memory
128MB

PoE Capable Ports
Ports 1-48 (802.3af/at)

Total PoE Budget
740w

Power Source
100 to 240 VAC, 50/60Hz

Physical Interface

System Indicators
Power LED

Fault LED

PoE Max LED

LAN Mode LED

PoE Mode 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

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 Filitering

IGMP Multicast Forwarding

IGMP Snooping

MLD Multicast Forwarding

802.1Q VLAN tagging

Technical Specifications

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 Efficeient Ethernet (EEE)
Command Line Interface (CLI)
SSH Server
Telnet Server
TFTP Client
Configuration Upgrade/ Backup
Simple Network Time Protocol (SNTP)
SYSLOG

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: 4.76 kg

Width: 440 mm

Length: 310 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

RJ45 Console Port

LED System LEDs

LED RJ45: PoE/Speed

LED RJ45: Link/Act

1G/10Gbps SFP+ Slots

LED Mode Buttom

Reset Button

10/100/1000 Mbps Ethernet Ports (PoE+)

LED SFP+ LED: Speed/Link/Act