



## CloudSwitch L2Plus 48 PoE

# Cloud Managed 48-Port Gigabit PoE+ Switch with 4 SFP+ Ports

### Overview

EnGenius Cloud Managed Layer 2+ Switch ECS1552P features 48 Gigabit PoE+ ports and 4 10G SFP+ port uplink ports with 410W PoE budget. Its enterprise-class features optimize network efficiency and offer robust security with Voice-VLAN support. The switch also extends PoE Ethernet cable deployment range up to 250 meters, auto-reboots PoE power for failed camera, and provides a steady supply of PoE power during switch upgrades. Ideal for cost-conscious 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 410W 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

410w

### 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

### 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

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ARP Packet Validation (additional validation checks)
Voice VLAN
Port-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
Broadcast/Unknown Multicast/Unknown Unicast Storm Control

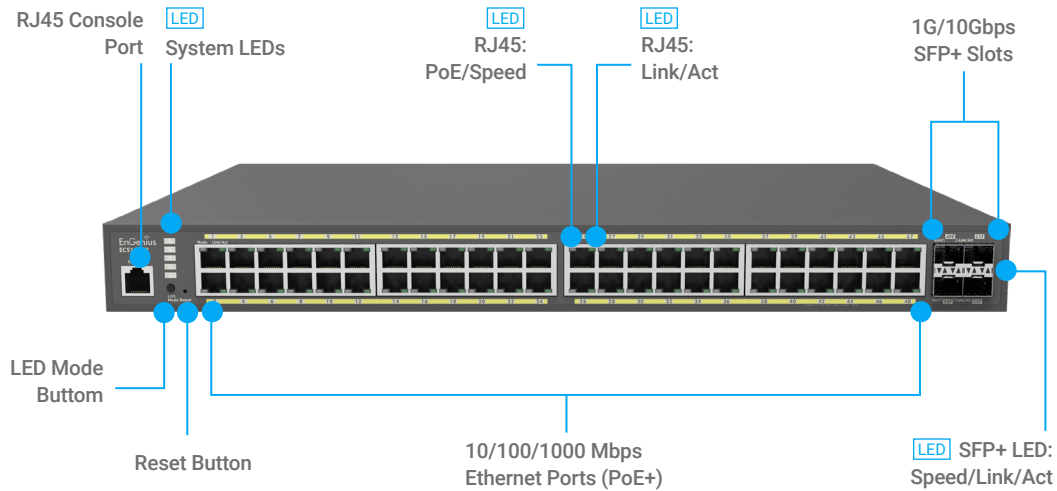
## Environmental & Physical

<b>Temperature Range</b>
Operating: 32°F to 122°F (0°C to 50°C)
<b>Humidity (Non-Condensing)</b>
Operating: 5% - 95%

## Device Dimensions & Weight

<b>Device Dimensions &amp; Weights</b>
Weight: 3.9 kg
Width: 440 mm
Depth: 310 mm
Height: 44 mm
<b>Package Contents</b>
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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Version 1.3 06032024

