



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

Technical Specifications

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

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

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 Efficient 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: 3.9 kg

Width: 440 mm

Depth: 310 mm

Height: 44 mm

Package Contents

1x Cloud Managed Gigabit Switch

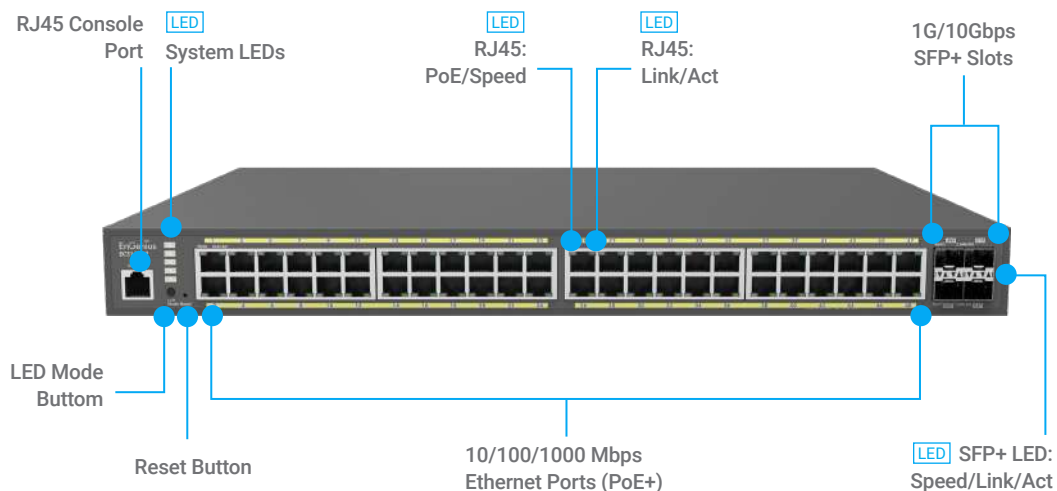
1x Product Card

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

Hardware Overviews



EnGenius Technologies | Costa Mesa, California, USA

Email: support@engeniustech.com
Website: www.engeniustech.com
Local contact: (+1) 714 432 8668

EnGenius Networks Singapore Pte Ltd. | Singapore

Email: techsupport@engeniustech.com.sg
Website: www.engeniustech.com.sg
Local contact: (+65) 6227 1088

EnGenius Technologies Canada | Ontario, Canada

Email: support@engeniustech.com
Website: www.engeniustech.com
Local contact: (+1) 905 940 8181

EnGenius Networks Dubai | Dubai, UAE

Email: support@engeniustech-me.com
Website: www.engeniustech-me.com
Local contact: (+971) 4 339 1227

EnGenius Networks Europe B.V. | Eindhoven, Netherlands

Email: support@engeniustech.eu
Website: www.engeniustech.eu
Local contact: (+31) 40 8200 887

恩碩科技股份有限公司 | Taiwan, R.O.C.

Email: sales@engeniustech.com.tw
Website: www.engeniustech.com.tw
Local contact: (+886) 933 250 628

Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense. Prior to installing any surveillance equipment, it is your responsibility to ensure the installation is in compliance with local, state and federal video and audio surveillance and privacy laws.

Version 1.1 12062023

EnGenius®