



## CloudSwitch MGPlus 48 Full PoE

# Cloud Managed 48-Port 740W PoE+ Multi-Gigabit 2.5 Gb Switch with 4 x SFP+ Uplink Ports

### Overview

EnGenius Cloud Managed Layer 2+ Multi-Gigabit 2.5Gb Switch, ECS2552FP, provides SMBs with an easy-to-use and cost-effective network solution. With its 32-Port Gigabit PoE+ and 16-Port 2.5G PoE+ as well as 4-Port 10G SFP+ uplink with 740W budget, it ensures high-speed data transfer for bandwidth-intensive applications. With zero-touch provisioning and centralized cloud management, it simplifies network management and saves time.



### Features & Benefits

- 16x 2.5G PoE+ Ports to unleash elevated speeds for NAS, workstations or WiFi 6 APs
- 32x Gigabit PoE+ ports for a wide range of network devices such as IP cameras, VoIP phones, workstations and more
- 4x 10G SFP+ (fiber) uplink ports to high-speed NAS and servers for a high-performance network
- 48x 802.3af/at PoE+ ports with 740W power 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

# 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 - Gigabit Ethernet Ports

32x10/100/1000 Mbps Ports

### Network Port - Multi-Gigabit Ethernet Ports

16x100/1000/2500 Mbps Ports

### Network Port - SFP+ Ports

4x SFP+ Ports

### Switching Capacity

224Gbps

### 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

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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 AC

### 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
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: 5.9 kg

Width: 310 mm

Depth: 440 mm

Height: 44 mm

### Package Contents

1x ECS Managed Gigabit Switch

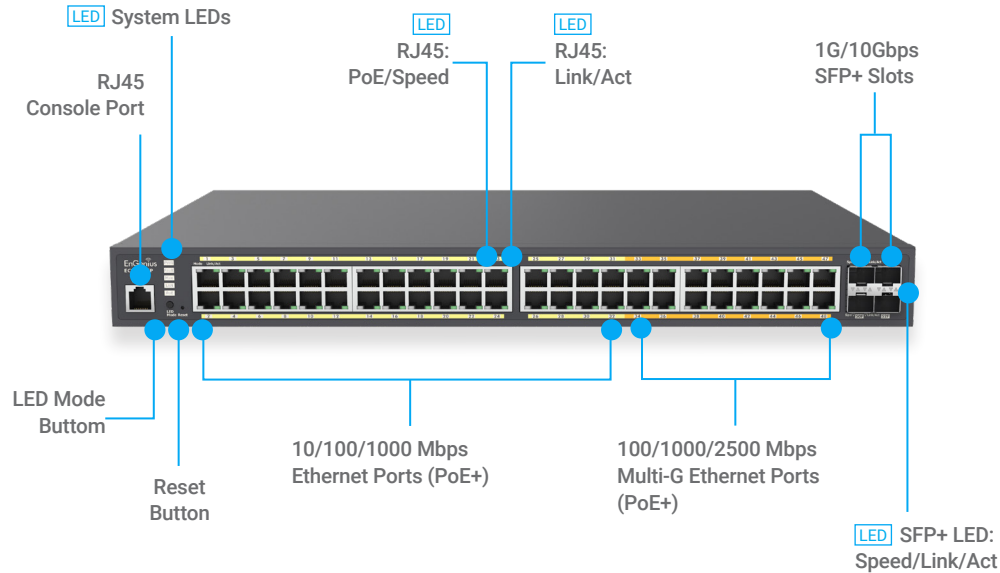
1x Product Card

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

## Hardware Overviews



### EnGenius Technologies | Costa Mesa, California, USA

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 714 432 8668

### EnGenius Networks Singapore Pte Ltd. | Singapore

Email: [techsupport@engeniustech.com.sg](mailto:techsupport@engeniustech.com.sg)  
Website: [www.engeniustech.com.sg](http://www.engeniustech.com.sg)  
Local contact: (+65) 6227 1088

### EnGenius Technologies Canada | Ontario, Canada

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 905 940 8181

### EnGenius Networks Dubai | Dubai, UAE

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+971) 4 339 1227

### EnGenius Networks Europe B.V. | Eindhoven, Netherlands

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
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](mailto:sales@engeniustech.com.tw)  
Website: [www.engeniustech.com.tw](http://www.engeniustech.com.tw)  
Local contact: (+886) 933 250 628

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Version 1.1 12062023