ECS2552FP

Cloud Managed 48-Port Multi-Gigabit L2+ Managed PoE+ Switch with 740W & 4 SFP+ Slots
Simple network configuration, monitoring, and management

Product Highlights

The EnGenius ECS2552FP cloud-managed 48-port PoE+ multi-gigabit switch with 740-Watt budget, simple network configuration, monitoring, and management powers IP cameras, VoIP phones, and access points. The ECS2552FP offers features like extended PoE mode, PD lifeguard, and continuous PoE power, to extend the reach and to maximize uptime for surveillance cameras.

Features & Benefits

- 48 10/100/1000/2500 Base-T GbE Ports
- 32 Gigabit and 16 2.5-Gigabit PoE Ethernet Ports
- Full-Featured Layer 2+ Ethernet Switch
- 802.3 at/af PoE+ Ready on All Ports with 740W PoE budget
- 224 Gbps Switching capacity
- 4 10-Gigabit Dual-Speed SFP+ (fiber) uplink ports
- Quick-Scan Device Register, Remote Monitoring and Troubleshooting
- 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

Port Standards

802.3 10Base-T Ethernet
802.3u 100Base-TX Ethernet
802.3ab 1000Base-T Ethernet
802.3bz 2.5G Base-T Ethernet
802.3x Full-Duplex Flow Control

Network Ports

32 10/100/1000 Mbps Ports
16 100/1000/2500 Mbps Ports
4 SFP+ Ports

Switching Capacity

224Gbps

SDRAM

512MB

Flash Memory

128MB

PoE Capable Ports

1-48 (802.3af/at)

Total PoE Budget

740W

Power Source

100 ~ 240VAC, 50-60Hz

Physical Interface

LED Indicators

Power LED
Fault LED
PoE Max LED
LAN Mode LED
PoE Mode LED

Ports

Link/Activity/Speed (per Ethernet port)
Link/Activity/Speed (per SFP slot)

Software Features(L3 Feature)

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

Software Features(L2 Feature)

Network Management
EnGenius Cloud

ezMaster/SkyKey

Local Web GUI

MAC Address Table
32K

Jumbo Frame
10K

Multicast Group
Max 256 groups

MLD Snooping
MLD Snooping: v1

QoS-Number of Priority Queues Supported
Queue 8

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

Loopback Detection

Multicast Filitering

IGMP Multicast Forwarding

IGMP Snooping

MLD Multicast Forwarding

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 Inspection

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%

Package Contents

1x Cloud Managed Gigabit Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

Device Dimensions & Weights

Weight: 10.74 lbs. (4.87 kg)

Width: 12.20" (310mm)

Length: 17.32" (440 mm)

Height: 1.73" (44 mm)

Packaging

Weight: 13.18 lbs. (5.98 kg)

Width: 16.89" (429 mm)

Length: 21.57" (548 mm)

Height: 4.13" (105 mm)

Master Carton Dimensions & Weights

Weight: 28.37 lbs. (12.87 kg)

Width: 17.09" (434 mm)

Length: 21.97" (558 mm)

Height: 8.66" (220 mm)

No. of product boxes per master carton:

2 units

Warranty

2 year

Certifications

CE, FCC, IC

ECS2552FP

Power LED

Mode Selector & Reset Button

100/1000/2500 Mbps Ethernet Ports PoE+

100/1000/10,000 Mbps SFP+ Slots

RJ45 Console Port

LED Indicators

10/100/1000 Mbps Ethernet Ports PoE+

100/1000/10,000 Mbps SFP+ Slots

Power connector