ECS1552FP

Cloud Managed 48-Port Gigabit 740W PoE+ Switch

Layer 2+ Switch with 4 SFP+ Uplink Ports and Multiple Management Options for Large Businesses

Product Highlights

EnGenius Cloud ECS1552FP, a 48-Port Gigabit PoE+ Layer 2+ Switch with a 740W Budget, 4 10-Gigabit SFP+ Uplink Ports. Select Cloud or on-premises management options based on network architecture, administrative permissions, technical aptitude, or even budget. Enterprise-class features optimize network efficiency ensuring peak performance for large businesses.

Features & Benefits

- 48 10/100/1000 Base-T GbE Ports
- Full-Featured Layer 2+ Switching
- 802.3 at/af PoE+ Ready on All Ports with 740W PoE budget
- 176 Gbps Switching capacity
- 4 10-Gigabit Dual-Speed SFP+ (fiber) uplink ports

Port Standards

802.3 10Base-T Ethernet

802.3u 100Base-TX Ethernet

802.3ab 1000Base-T Ethernet

802.3x Full-Duplex Flow Control

Network Ports

48 10/100/1000 Mbps Ports + 4x SFP+ Ports

Switching Capacity

176Gbps

SDRAM

512MB

Flash Memory

128MB

PoE Capable Ports

1-48 (802.3at/af)

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

SkyKey

ezMaster

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

802.1d Spanning tree

Environmental & Physical

Temperature Range

Operating: 32°F to 122°F (0°C to 50°C)

Humidity (Non-Condensing)

Operating: 5% - 95%

Package Contents

1x ECS Managed Gigabit Switch

1x Quick Installation Guide

1x Power Cord

1x RJ45 Console Cable

1x Rack Mount Kit

Device Dimensions & Weights

Weight: 10.5 lbs. (4.76 kg)

Width: 17.32" (440 mm)

Length: 10.23" (260 mm)

Height: 1.73" (44 mm)

Warranty

2 year