

L3 Managed Ethernet Poe Switch HSGQ

An L3 Managed Ethernet PoE Switch is ideal for mid to large-scale network environments that require advanced routing, centralized management, and the ability to deliver power to devices directly through the Ethernet cables.

L3 Managed Ethernet Poe Switch HSGQ

Variants

SG2008P 5828P-400

Details

HSGQ-5528 Datasheet Overview

Product Description

24 GE+4×10G SFP+ L3 Managed Industrial Switch, support 24×GE+ 4xSFP+ port, 1xType-C Console port, providing complete security policy, perfect QoS policy and rich VLAN function, easy to manage and maintain, meeting the networking and access requirements of enterprises, communities, hotels, office networks and campus networks. ¹¹¹¹

Hardware Specifications

Interface

Downlink Ports: 24 GE RJ45

Uplink Ports: 4×10G SFP+

Console: 1xType-C

Switch Property

Standards:

IEEE 802.3, IEEE 802.3u, IEEE 802.ab, IEEE 802.3z

IEEE 802.3x, IEEE 802.1q, IEEE 802.1p

IEEE 802.3ad, IEEE 802.1d, IEEE 802.1x

Forwarding Modes: Store and Forward

Packet Buffer: 12Mbit

MAC Table: 32K

Switching Capacity: 128Gbps/non-blocking

Packet Forwarding Rate: 95Mpps

Jumbo Frame: 12KB

Power Supply

Input Voltage: AC100V-240V, 50Hz/60Hz

Power Consumption: 35W

Physical Parameter

Led Indicators:

1xPower supply indicators

1xSystem working indicator

24 RJ45 status indicator

4xOptical port status indicator

Reset Button: Short press to restart the switch, long press to initialise the system

Dimensions (WDH): 440×220×44 mm

Net Weight: 1.9 KG

Material: Metal

Mounting: Desktop/rack-mounted , Desktop/DIN-Rail , Wall Mounted

Key Features

Support IEEE 802.1d, IEEE 802.1w IEEE 802.1s, IEEE 802.1p, IEEE 802.3, IEEE 802.3u. IEEE 802.3x. IEEE 802.3z.

IEEE 802.3ab, IEEE 802.3ae Standard

L3 Management, Support DHCP Server, DHCP Snooping, DHCP Relay, Static Routing, RIP and OSFP

Support RSTP/MSTP

Support VLAN function, Port VLAN, translation and Q-in-Q

L3 Function

Support IPv4/IPv6 Static Route

Support RIP/RIPNG/OSPF/OSPFV3 Dynamic Route

Support VRRPv2/VRRPv3

Support PIM SM/SSM

Support DHCP Server, DHCP Snooping and DHCP Relay

Software Specifications

System State

Device Name

Built Time

Product Model

System Time

System Version

Current Time

Running Status

Firmware Version

Hardware Version

Running Time

Memory Usage

MAC Address

CPU Usage

Traffic Monitor

Received Rate Statistics

Sent Rate Statistics

Enable and Disable

Interval

Max Monitor Count

System Monitor

MAC Address Table

Port State

Port Speed

Duplex Mode

Enable and Disable

Port Setting

Port Range

Enable and Disable

Jumbo Frame

Traffic Control

Port Range

Input Speed Limit

Output Speed Limit

Rate Limi (Limit)

QoS Priority

802.1p QoS Setting

802.1p Mark Range

802.1p Priority

IP Service

Interface IP: Network Interface (VID), IPv4 Address

DHCP Server: Network Interface(VID), Default Gateway, Start IP Address, Max Client Number, Client Lease Time, Preferred DNS Address, Backup DNS Address, WINS Server, Enable and Disable

Static IP: Network Interface(VID), Default Gateway, Start IP Address, Max Client Number

IP Routing:

Routing Table

OSPF: Enable and Disable, OSPF Host ID, Region ID, Target Network, Next Hop Address, Region Type, Network Interface, Path Consumption

IF Multicast

IGMP Snooping: Enable and Disable, Group Member Alive Time, IGMP Query setting

Security

Static Address Lock: MAC Address, VLAN ID, Port

Rapid Spanning Tree: Enable and Disable, Device Priority, Port State Transition Delay, Modify Configuration, RSTP/MSTP Version, Message Sending Period, This Bridge Update Message, Message Maximum Lifetime, Port Range

Loopback Protect: Enable and Disable, Port Loop Detection, Protect Automatic Recovery, Disable Loop Port Time

System Management

Port Mirroring: Enable and Disable, Mirror Port Range, Monitor Port, Collect Data

SNMP: Read-only Group Name, Enable and Disable, SNMP Version, SNMP Gateway, Read and Write Group Name, SNMP V3: User Name, Read And Write Mode Identity, Authentication, Verify Password, Encryption Protocol, Encryption Password

Time: Local Time, NTP Sever, World Time Zone, System Time, Using NTP, PC Time, Automatically Adjust Daylight Saving Time

Syslog: Information Processing, Enable and Disable, Show Type

Management: Restore Factory Value, System Reboot, Upload Configuration File, System Upgrade, Download Configuration File

User Setting: Change Password, Access Privilege, Username

Ordering Information

Product Model: HSGQ-5528

Description: 24 GE+4x10G

Product Introduction

The 12-port gigabit intelligent standard POE switch, uses high-quality, high-speed network IC and the most stable POE chip. It can provide seamless connectivity on 10/100/1000M ethernet network. The latest AI function is integrated into the switch, and the port automatically enables AI mode in extend mode. The PoE power supply port automatically detects and supplies power to the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. Non-POE devices do not automatically detect power supply and only transmit data.

POE is an ethernet power supply that transmits data signals to IP-based terminals, such as IP phones, wireless access aps, and network cameras., but

also provides DC power to the device. Technically, these devices that receive DC power are called power supply devices.

Simple installation and maintenance methods and rich service functions help users build a secure, reliable and high-performance network. It is mainly used in industrial parks, buildings, factories, mines, government agencies, residential broadband and other user network core or fusion layer; It can be widely applied to Ethernet access scenarios of small and medium-sized enterprises, Internet cafes, hotels, and schools.

SG2008P_01

SG2008P_02

Two Types of Uplink Ports

Support electrical modules and optical modules, and can be flexibly configured according to different networking.

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SG2008P_04_02

SG2008P_05

Support PoE QoS Priority, priority ranges from 1 to 8. Enabled by default.

High Speed Network Transmission

Ultimate Smooth Experience

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Full Gigabit port, 24 Gbps non-blocking line speed forwarding, greatly improve the forwarding rate of large files, to ensure smooth and stable transmission of large files and high-definition video.

Intelligent PoE Power Supply Stable Transmission does not Exceed the Limit

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It provides 8 gigabit POE ports that comply with IEEE802.3af/at standards, and the maximum output power of a single port is 30W, which can provide stable power supply and data transmission for HD POE webcams and aps.

Convenient Photoelectric Connection

Remote Networking Worry-Free

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The AI mode is automatically enabled 10M speed for Ports 7-8 in Extend mode, and remote networking can be easily implemented at low cost.

Multi-Scenario FTTX Solution

Abundant Terminal Types to Choose from

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