S2608P-2S Gigabit Managed PoE Switch

Product Description

The 10-Ports Gigabit Managed PoE Switch, it adopts high-quality and high-speed network IC and the most stable PoE Chip set, the PoE ports meet the IEEE802.3af/at standard, this series of PoE switches provides seamless connection to 10/100/1000M Ethernet,with automatically detective function on PoE port,power the devices with IEEE802.3af/at standard but only transmit data without forcibly power for Non-PoE devices.

PoE (Power over Ethernet) provides DC Power for IP-based terminals (such as IP telephones, wireless access AP, and network cameras) while transmitting data signals. The devices that receive DC Power are called Power receiving devices.

Main Features

8*10/100/1000Mbps PoE Ports, 2*Gigabit SFP Uplink Ports, 1* Console Port

Support IEEE802.3, IEEE802.3x,IEEE802.3u,IEEE802.3ab, IEEE802.3z standard

Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w)

Ethernet port supports 10/100/1000M adaptive

Support PoE management, POE watchdog

Panel indicator monitoring the status and help failure analysis

Support 1U rack installation

Support 802.1x port authentication, AAA authentication, support TACACS+authentication

Support WEB, TELNET, CLI, SSH, SNMP, RMON management

The ports support 6KV Surge Protection

Application Environment

Metro Optical Broadband Network:Data network operators such as telecommunications, cable TV, and

network system integration,etc.

Broadband private network:Suitable for financial, government, oil, railway,electric power, public security, transportation,education and other industries

Multimedia transmission:Integrated transmission of images, voice and data, suitable for remote teaching, conference TV,videophone and other applications

Real-time monitoring:Simultaneous transmission of real-time control signals, images and data.

CHARACTERISTICS

Specifications	
I/ O Interface	
Power	AC INPUT (100-240V)
Ethernet	8 * 10/100/1000Mbps PoE Port 2* 1000Mbps SFP Port 1 * RJ45 Console Port
Performance	
Capacity	20Gbps
Packet Forwarding Rate	14.88Mpps
Packet Buffer Memory	4M
Flash Memory	16MB
DDR SDRAM	128MB
MAC Address	8K
Jumbo Frame	9.6Kbytes
Forwarding Mode	Storage & forward
MTBF	100000 Hours

Standard	
Network Protocol	IEEE802.3 (Ethernet MAC Protocol)
	IEEE802.3u (100BASE-TX Fast Ethernet)
	IEEE 802.3ab (1000BASE-T Gigabit Ethernet)
	IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber)
	IEEE802.3x (Flow Control)
	IEEE 802.3ad (LACP)
	IEEE 802.1AB LLDP/LLDP-MED (Link Layer Discovery Protocol)
	IEEE 802.1D Spanning Tree Protocol (Spanning Tree Protocol)
	IEEE 802.1w Rapid Spanning Tree Protocol
	IEEE 802.1s Multiple Spanning Tree Protocol
	IEEE 802.1Q (VLAN Bridge Operation)
	IEEE 802.1p (VLAN Label)
	IEEE 802.1X (Client/Server Access Control and Authentication Protocol)
PoE Protocol	IEEE802.3af (15.4W)
	IEEE802.3at (30W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD)
	EN61000-4-4 (EFT)
	EN61000-4-5 (Surge)
Network Medium	10Base-T : Cat3, 4, 5 or above UTP/STP(≤100m)
	100Base-TX : Cat5 or above UTP/STP(≤100m)
	1000Base-TX : Cat5 or above UTP/STP(≤100m)
Fiber Medium	Multi-mode Fiber: 50/125, 62.5/125, 100/140um
	Single-mode Fiber: 8/125, 8.7/125, 9/125, 10/125um
Certification	

Safety Certificate	CE, FCC, RoHS
Environment	
Working Environment	Working Temperature ：-10~50°C Storage Temperature ：-40~70°C Working Humidity ：10%~90%，non-condensing Storage Temperature ：5%~90%，non-condensing
Physical Specification	
Structure Size	Product Dimensions: 320*207*45mm Packing Dimensions: 366*312*71mm Product N.W: 1.65kg Product G.W: 2.24kg
Packing Info	Carton Dimensions: 382*332*378mm Packing quantity: 5 sets Packing weight: 12.2kg
Power Voltage	Input voltage: AC 100-240 V/50-60Hz Power supply: 52V2.88A 150W
Package List	Ethernet switch1 Set, Instruction manual 1 PCS, Certificate1 PCS, Power cord 1PCS Serial cable 1PCS, Brackets 1 pair
Function Indication	
LED Indicators	PWR, SYS, PoE, Link/ACT
PWR (Power Indicator)	Lighting：Powered Un-Light：No Power
SYS (System Indicator)	Flashing: not start or fail Lighting: System Running

PoE (PoE Indicator)	Lighting：PoE on Un-Light：PoE off
Link/ACT (Link＆Data Indicator)	Lighting: Link connection Flashing: Data transmission Un-Light: Link disconnect
Reset	Short press restart, long press 5 seconds to restore factory Settings

Software function

Software Function	
Basic Function	Support hardware watchdog, factory reset, system and port LED
	Support global information, statistical information, log information
	Support User management, alarm management, configuration management
	Support Port rate, duplex, flow control, max frame length configuration
	Support Port mirroring, port speed limit, port energy saving
PoE Function	Support PoE time management
	Support PoE automatic monitoring / PoE Watchdog
	Support PoE port power configuration
Software Function	
VLAN	Support 4K VLAN
	Support 802.1Q VLAN, based on port VLAN
	Support Access, Trunk, Hybrid VLAN mode
	Support GVRP(Vlan registration protocol)
	Support MAC VLAN, IP VLAN

	Support Voice VLAN
MAC Address	Support MAC address automatic learning and aging
	Support Static, dynamic, filtered address table
Security Features	Password protection
	Support Restrict user access based on port number, IP address, MAC address
	Support HTTPS, SSH V1/V2
	Support VLAN-IP-MAC-PORT binding
	Support ARP detection, IP source protection, DoS protection
	Support DHCP Snooping 、DHCP Attack protection
	Support 802.1X certification
	Support AAA (Authentication, Authorization, Accounting), Support RADIUS+
	Support Port security, port isolation
Access Control	Support L2(Layer 2)~L4(Layer 4) Packet filtering function
	Support Port mirroring, flow rate limiting, QoS remarking
QOS	Support 8 port queues
	Support Port priority, 802.1P priority, DSCP priority
	Support SP, WRR Priority scheduling algorithm
Spanning Tree	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) & MSTP(IEEE 802.1s) protocol
	Support Multi-instance, Support Aggregate interface
	Support BPDU Protection
Multicast	Support IGMP v1/v2/v3 Snooping
	Support MLD v1/v2 Snooping