MyPower S3000G Series Switch Datasheet

Contents

Overview

MyPower S3000G series switch is the new multi-service Ethernet switching product developed by Maipu for the enterprise network access, MAN and district network access, and the building convergence of the medium/small network. It provides the stable, reliable and secure high-performance switching service for NGN.

MyPower S3000G series switch provides the perfect solutions in the aspects of multi-service capability, security, reliability, management and maintenance. It is the idle access device of the industry users and carriers. The system provides the security features, such as 802.1X access authentication and ARP anti-attack, which can prevent the virus and vicious attacks and is suitable for the networks with large scale, multiple services and complicated traffic. It has powerful multicast and QoS capability, meeting the real-time requirements of the enterprise network video, audio data and other high-priority services.

MyPower S3000G series switch contain the following models:

SM3008G provides 8 10/100M electric ports and one 1000M Combo interface;

SM3008G-POE provides 8 10/100M electric ports and one 1000M Combo interface, and supports PoE;

SM3026G-A provides 24 10/100M electric ports and two 1000M Combo interfaces;

SM3026G-POE provides 24 10/100M electric ports and one 1000M Combo interface, and supports PoE;

SM3008G switch

SM3008G-POE switch

SM3026G-A switch

SM3026G-POE switch

Key Features

- **High-density and expansibility**

- **Multi-service supporting capability**

- **Perfect security policy**

- **Rich QoS mechanism**

- **Supporting IPv6 protocol stack**

Product Features

- **High-density and expansibility**

MyPower S3000G provides the high density access capability of up to 24 ports, which protects the user line investment and the requirement of expanding the capacity.

- **Multi-service supporting capability**

S3000G supports IGMP Snooping and multicast VLAN technology, which is suitable for the three-network convergence construction of carriers and video communication requirement of the enterprise network customers.

Meanwhile, S3000G provides PoE remote power supply, which is convenient for deploying IP Phone and wireless AP and meets the multi-service requirement.

- **Perfect security policy**

MyPower S3000G supports 802.1x and MAC address authentication function and the static or dynamic binding of the user account, IP and port, realizes the delivering and management of user policies, and diagnoses the network illegal actions in real time.

MyPower S3000G provides the ARP Guard technology to prevent the ARP spoofing attack and supports the AM function to filter the packets forwarded by the ports.

MyPower S3000G supports extended ACL. It can classify the data flow according to the destination/source MAC address, source/destination IP address, UDP/TCP port number and protocol type. Meanwhile, it supports the ACL based on time domain and VLAN-based ACL and realizes the hierarchical access control flexibly.

- **Rich QoS mechanism**

MyPower S3000G provides four port queues, supports 802.1P/DSCP/TOS priority marking and mapping, and provides various priority queue scheduling algorithms, such as SP and WRR. It can realize the QoS functions, such as port speed limitation and traffic monitoring, meeting the requirement of the user network for data processing priority.

- **Supporting IPv6 protocol stack**

MyPower S3000G supports IPv6 protocol stack. The L3 interface can be configured with the IPv6 address. It supports IPv6 Ping/Tracert/Telnet IPv6 ACL and MLD Snooping, meeting the smooth transition of carriers and education network from IPv4 to IPv6.

Specifications

Product Feature	MyPower S3008G MyPower S3008G-POE	MyPower S3026G-A	MyPower S3026G-POE
Product configuration			
Chassis	Desk-top		
Physical ports	8 10/100M electric ports One 1G Combo interface	24 10/100M electric ports Two 1G Combo interfaces	24 10/100M electric ports; Two 1G Combo interfaces; Two 1G electric ports;
Console ports	1	1	1
Performance parameters			
Backplane bandwidth	3.6Gbps	8.8Gbps	12.8Gbps
Throughput	2.7Mpps	6.6Mpps	9.52Mpps
VLAN	4K	4K	256(1-4094)
MAC entries	8K	8K	8K
Power Failure Recovery	Yes		
Anti-static	Yes		
Anti-lightning	Yes		
Mean time between failures (MTBF)	80,000 hours		
Standards and protocols			
L2 protocol	GVRP, STP/RSTP/MSTP, PVLAN, link aggregation, port mirroring, port speed limitation, broadcast packet suppression, MAC address aging, network loopback detection, IGMP Snooping		
Upper application	HTTP, TELNET, FTP/TFTP, SNMP V1/V2/V3, RMON 1/2/3/9, cluster management, LOG recording, DHCP Server, DHCP Snooping		
Security mechanism	AAA/Radius/Tacacs+, SSH, port security, port monitoring, 802.1x and 802.1x Server, user classification login mechanism, host access mechanism, IP/VLAN/MAC and port binding		
Network management interface	SHELL, WEB, TELNET, network management software, third-party software		
QoS	Port speed limitation, four priority queues, support 802.1P/DSCP, priority Mark/Remark, standard and extended ACL, traffic shaping, queue scheduling mechanism SP/WRR/SP+WRR		
IEEE standards	IEEE 802.3 (10BASE-T) IEEE 802.3u (100BASE-T) IEEE 802.3z (1000BASE-X) IEEE 802.3ab (1000BASE-T) IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control) IEEE 802.1Q (Virtual LAN) IEEE 802.1d (STP)		

	IEEE 802.1w (RSTP) IEEE 802.1s (MSTP) IEEE 802.1p (Cos priority) IEEE 802.3af (POE)		
Physical indexes			
Dimension (W×D×H)	282.2mm×44mm×178mm 442.9mm×44mm×230.2mm	442.9mm×44mm×230.2mm	440mm×171.2mm×43mm
Power supply			
Input (AC)	100～240V，50～60Hz	100～240V，50～60Hz	100～240V，50～60Hz
Max. power	15W/180W	15W	225W
POE Output Consumption(MAX)	130W	/	180W
Environment parameters			
Working temperature	0～50℃		
Working humility	10～90%, no-condensing		

Order Information

Product Model	Description
MyPower S3008G	
MyPower S3008G-AC	Eight 10/100M electric interfaces, one 1000M Combo (RJ45/SFP) interface, network management switch, AC power
MyPower S3008G-POE-AC	Eight 10/100M electric interfaces, one 1000M Combo interface, AC power, POE supports
MyPower S3026G	
MyPower S3026G-A-AC	24 10/100M electric interfaces, two 1000M Combo (RJ45/SFP) interfaces, network management switch, AC power
MyPower S3026G-POE-AC	24 10/100M electric interfaces, two 10/100/1000M electric interfaces, two 1000M Combo interfaces, AC power, POE Supports
SFP interface module	
SFP-M1-L24P8	1.25G multi-mode optical module (550m transmission distance, LC interface, PECL electric level, 850nm wavelength)
SFP-S2-L24P3	1.25G single-mode optical module (20km transmission distance, LC interface, PECL electric level, 1310nm wavelength)
SFP-S4-L24P5	1.25G single-mode optical module (40km transmission distance, LC interface, PECL electric level, 1550nm wavelength)