



MyPower S3200 Series Gigabit L2 Switch Datasheet

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Overview

MyPower S3200 series intelligent network management switch is the high-performance desktop L2 Ethernet switch developed by Maipu for the enterprise network center LAN and IP MAN district convergence. Currently, the S3200 series includes SM3200-10TC-AC, SM3200-10TP-AC

SM3200-10TC-AC provides 8-port 10/100/1000M electric interfaces, two 1000M Combo interfaces,

SM3200-10TP-AC provides 8-port 10/100/1000M electric interfaces, two 1000M Combo interfaces, PoE & PoE+ Supports;

S3200 supports the wire-speed forwarding of Ethernet data frames at layer 2 and has perfect QoS and multicast capabilities. It has perfect QoS, VLAN enhancement functions and some special security functions of Maipu, and meets the security requirements of users. S3200 can meet the specified requirements of the high-priority video, audio data and other specified data of the enterprise network and IP MAN for the switch. It can converge the data that needs to be forwarded to the core network, and then forward it to the core network. It provides the low-cost, high-performance, high-expansibility, and simple-management solutions for the enterprise network center, IP MAN, and district convergence.



SM3200-10TC-AC

SM3200-10TP-AC

Key Features

- Complete L2 protocol supporting
- Flexible VLAN isolation function
- Perfect security policy
- Powerful access control capability
- Rich QoS mechanisms
- Powerful network management function, supporting SNMP, WEB, and TELNET management modes
- Intelligent Dynamic Detection (IPDD)

Product Features

- **Complete protocol supporting**

S3200 supports IEEE 802.3, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3u, IEEE 802.ad, IEEE 802.1D, IEEE 802.1W, and IEEE 802.1Q protocols.

- **Flexible VLAN Isolation function**

S3200 supports 802.1Q-based VLAN isolation function, which can be configured between 1 and 4094. It supports the GVRP dynamic VLAN protocol so that different services and users cannot access each other, ensuring service data confidentiality, improving network system security, and saving network bandwidth.

- **Perfect security policies**

S3200 provides various security policies such as user authority/ID authentication, port security, port speed restriction, port monitoring, address filtering, and 802.1X authentication. It provides various protection mechanisms for user access, so as to ensure the network security of the user.

- **Powerful access control capability**

S3200 supports access control. It can classify the data flow according to source/destination MAC address, source/destination IP address, UDP/TCP port number, and IP protocol type, and then set the access control rule according to the data classification, including permit and deny. At last, the rules are applied on VLAN or physical ports.

- **Rich QoS mechanisms**

S3200 can classify the flow according to the port, 802.1p, ToS, DSC and distribute different service levels. It supports WRR/SP scheduling mode and can provide different service qualities for the transmission of the voice and data in one network, so as to meet the requirements of customers' networks for service processing priority.

- **Complete network management supporting**

S3200 supports SHELL, TELNET, WEB, SNMP, and third-party software network management. It can realize the cross-platform and large-scale network management. The friendly man-machine interfaces provide powerful supporting for users to manage devices and control the network status.

- **Intelligent Dynamic Detection(IPDD)**

S3200 Series Support Powerful functions, like IPDD(Dynamic Dynamic Detection) which can automatically detect the status of the terminals like wireless AP or IP cameral, when the terminals crash, S3200 can detect and restart the power automatically. This useful feature can greatly decrease the cost of troubleshooting and increase the SLA for customers.

Specifications

Product	MyPower S3200 Series	
Shelf	SM3200-10TC-AC(E1)	SM3200-10TP-AC(E1)
Product Configuration		
Device structure	Desktop	Desktop
Physical ports	8 10/100/1000M electric interfaces, two 1000M Combo interfaces	
PoE Power	N/A	150W
Console port	one	
Performance parameters		
Backplane bandwidth	20Gbps	
Throughput	15Mpps	
VLAN	4K	
MAC	8K	
Auto recovery of power-off	Yes	
Anti-static	Yes	
Anti-lightning	Yes	
Mean non-fault time	80,000 hours	
Standards & Protocols		
L2 protocol	4K 802.1Q VLAN (1-4094), GVRP dynamic VLAN supports PVLAN STP/RSTP/MSTP, Port-based QinQ, MAC aging time 10-1000000s, IGMP Snooping, Jumbo Frame	
Upper-layer application	HTTP TELNET SSH FTP/TFTP DHCP/DHCP snooping SNMP V1/V2/V3 RMON 1/2/3/9 LOG recording	
Security mechanism	Radius Port-based 802.1x accessing control Broadcast storm suppression	
Network management interface	SHELL WEB TELNET	

QoS	Rate-limiting on packet sending/receiving speed of port or self-defined flow and provide general flow monitor and flow monitor of self-defined traffic Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark Packet mirroring and redirection of interface and self-defined flow Port-based queue scheduler and user-defined traffic. Each port/ flow supports 4 priority queues and scheduler of SP (Strict Priority) and WRR (Weighted Round Robin)
IEEE standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3z 1000BASE-SX IEEE 802.3ab 1000BASE-T IEEE 802.3ad Link Aggregation IEEE 802.3x Flow Control IEEE 802.1D STP IEEE 802.1Q Virtual LAN IEEE 802.1P Tag priority IEEE 802.1W RSTP IEEE 802.1S MSTP
Physical indexes	
Dimension (W × D × H)	335mm*220mm*44mm
Power supply	
Input voltage (AC)	100-240V, 50-60Hz
Power consumption (MAX)	12W without PoE
Environment parameters	
Working temperature	0-50°C
Working humidity	10-90% non-condensing

Order Information

Product Model	Description
MyPower S3200 Series	
SM3200-10TP-AC (E1)	E1 Version: Network management L2 switch with 8 10/100/1000M electric interfaces, two 1000M Combo interfaces, and AC host, 150W Power Consumption
SM3200-10TC-AC (E1)	E1 Version: Network management L2 switch with 8 10/100/1000M electric interfaces, two 1000M Combo interfaces, and AC host