



MyPower S3300 Series Gigabit Aggregation Routing Switch

Datasheet

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S3300 Series Switch

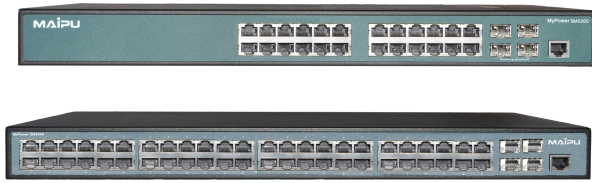
MyPower S3300 series Gigabit convergence routing switch is a new multi-service and high-performance desktop L2/L3 Ethernet switch developed by Maipu. It is applied in enterprise network aggregation, district access of IP MAN and high-quality access and provides stable, reliable and secure high-performance L2/L3 switching services for NGN.

It includes MyPower S3300-28T , MyPower S3300-52T, MyPower S3300-28TP , MyPower S3300-52TP models.

- MyPower S3300-28T provides 24 100/1000M electric interfaces, four 1G Combo SFP interfaces, two 10G extended slots;
- MyPower S3300-52T provides 48 100/1000M electric interfaces, four 1G Combo SFP interfaces, two 10G extended slots;
- MyPower S3300-28TP provides 24 100/1000M electric interfaces, four 1G Combo SFP interfaces, two 10G extended slots, POE Supports;
- MyPower S3300-52TP provides 48 100/1000M electric interfaces, four 1G Combo SFP interfaces, two 10G extended slots, POE Supports;

MyPower S3300 Series Gigabit aggregation routing switch can forward Ethernet data frames with full wire speed at the second layer, which is similar to common Ethernet switches. It can realize L3 wire speed forwarding of IP packets, and has perfect security control, QoS and multicast capability. It can perform the L4-L7 ACL filtering on packets according to user definitions and combine with 802.1x authentication protocol to meet the security requirements of users.

With powerful QoS and multicast functions, it can meet the requirements of the enterprise network video and audio data with high priorities and other specified data for routing switches. It can adapt well to the typical applications that current enterprise networks need to use VLAN to separate broadcast domains and each VLAN needs to forward data with high speed. It can aggregate the data and transmit it to the core network. It can provide low-cost, high-performance, strong-expansibility and simple-management solutions for enterprise network centers, IP MAN, and district network aggregation.



MyPower S3300 Series Gigabit aggregation routing switch

Key Features

- Supports L2/L3 line rate switching
- Powerful ACL access control capability. It can perform filtering control on L2-L7 data flow
- Supports Static,RIP
- Completely supports IPv4/IPv6 L2 and L3 protocols
- Completely support L2 protocols
- Has various security and authentication mechanisms
- Supports VRRP/VBRP routing redundancy protocols
- Supports 4094 802.1Q VLANs,QinQ
- Supports 802.1X security authentication
- Advanced QoS as SP, WRR, SP+WRR, DWRR, SDWRR

Product Features

- **Supports L2/L3 protocols**

S3300 series switch provides 802.1d/w/s spanning tree protocol; 802.1q, 802.1p, 802.3ad, 802.3x, GVRP, DHCP, and SNTP protocols; IGMP multicast protocols; Static, RIPv1/2 routing protocols. It is suitable for complicated network environments, and supports IPv6 protocols and functions and IPv6 hardware forwarding.

- **Flexible VLAN separation function**

It supports 4K 802.1Q VLANs, QinQ, and GVRP dynamic VLAN protocols to make that different services and users cannot access each other, ensure the confidentiality of service data, improve the security of the whole network system, and save the network bandwidth.

- **Perfect security policy**

It provides various security policies such as user authority/identity authentication, port security, port rate limitation, port monitoring, address filtering, loopback check, and 802.1X authentication; provides various protect mechanisms for user access and network security. It has perfect security function design and supports user-based SNMP V1/V2/V3, MAC+IP+VLAN binding and 802.1X authentication security policies, and anti network storm attack, anti DOS/DDOS attack, anti ARP attack, and anti network protocol packet attack security technologies. In this way, the attacks and virus can be prevented and it is more suitable for large-scale, multi-service and complicated-traffic networks.

- **Powerful access control capability**

It supports L2-L7 ACL access control. It can classify data flow according to source destination MAC address, source destination IP address, UDP/TCP port number, and IP protocol type, set access control rules according to data classification, that is, set permit or deny, and then apply the rules to VLANs or physical ports.

- **Rich QoS mechanisms**

It provides up to 8 QoS queues, and supports QoS modes such as DSCP/TOS/802.1P, and priority queue scheduling arithmetic such as SP, WRR, SP+WRR, DWRR, SDWRR and other mixed scheduling. It can realize QoS functions such as port rate limitation and traffic shaping and meet the requirements of customer network for data processing priorities.

- **Comprehensive network management**

It provides SHELL, TELNET, WEB, SNMP, cluster management, third-party software to realize across-platform and large-scale network management

and friendly man-machine interface, and provide powerful support for users to manage devices and control network status.

- **10G extending**

MyPower S3300 supports 2 extending Slots to provide upto 4-ports 10G interfaces for users.

Technical Specifications

Product Features	MyPower S3300-28T-AC MyPower S3300-52T-AC	MyPower S3300-28TP-AC MyPower S3300-52TP-AC
Product Configuration		
Device Structure	Desktop	
Physical port	24 or 48 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots	24 or 48 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots, POE Supports
Console port	One	
Outband Ethernet port	One	
Switching capability	128Gbps 176Gbps	128Gbps 176Gbps
VLAN	4K	
Power-off auto recovery	Yes	
Grounding	Yes	
Anti-static	Yes	
Lightning strike	Yes	
Average no-fault time	80,000 hours	
Standards and protocols		
L2 protocol	802.1X, VLAN, QinQ, PVLAN, STP, RSTP, MSTP, port mirroring, IGMP Snooping, GVRP, broadcast storm control, AAA, port binding, address filtering, IP-based filtering, MAC-based ACL, MAC+IP-based ACL, and super-long Jumbo Frame	
L3 protocol	Static route, RIPv1/v2	
Upper layer application	HTTP, TELNET, FTP/TFTP, DHCP/DHCP Relay, SNMP V1/V2/V3, RMON 1/2/3/9, SNTTP	
Security mechanism	SSH, ACL flow filtering mechanism, ACL, SNMPv3, Radius, user grading login authentication, access table host access control, data log, IP address/VLAN ID/MAC address/port combining binding, packet filtering, packet filtering of packets at application layer	
IPv6	IPv6 ND, IPv6 PMTU, IPv6 FIB, IPv6 ACL	
Network management interface	SHELL, WEB, TELNET, Network management software, MIB, Sflow	

QoS	Diff-serv/QOS, traffic monitoring CAR, SP, WRR, SP+WRR, DWRR, SDWRR, queue scheduling arithmetic 802.1P/DSCP/TOS	
IEEE	IEEE 802.3 (10BASE-T) IEEE 802.3u (100BASE-T) IEEE 802.3z (1000BASE-X) IEEE 802.3ab (1000BASE-T) IEEE 802.3ae (10G BASE) IEEE 802.1x (port authentication) IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control) IEEE 802.1d (STP) IEEE 802.1Q (Virtual LAN) IEEE 802.1w (RSTP) IEEE 802.1s (MSTP) IEEE 802.1p (Cos priority) IEEE 802.3af/at (POE/POE+)	
Physical index		
Dimension (W×D×H)	440mm×415mm×44mm	
Power supply		
Input voltage (AC)	100~240V, 50~60Hz	
Power consumption (MAX)	110W (28TC/28TP) 180W (52TC/52TP)	
POE Power consumption	/	380W/500W/1000W
Environment		
Temperature	0~45℃	
Humidity	10~90%, non-condensing	

Order Information

Series	Model	Description
MyPower S3300		
MyPower S3300-Series	SM3300-28T-AC	24 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots, one AC Power Supply
	SM3300-52T-AC	48 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots, one AC Power Supply
MyPower S3300 (POE)		
MyPower S3300-TP Series	SM3300-28TP-AC	24 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots, POE Supports, one AC Power Supply
	SM3300-52TP-AC	48 10/100/1000M electric interfaces, four 1000M combo SFP interfaces, two 10G extended slots, POE Supports, one AC Power Supply
SFP&XFP&SFP+ 1G/10G Card		
Fiber Card	SM33-2XFP	2-Port XFP 10G Card
	SM33-2XGEF	2-Port SFP+10G Card
	SM33-2GEF	2-Port SFP 1G Card
External POE Power Supply		
POE Power	PWR380-48S8	External POE Power Supply, 444mm × 43.8mm × 220mm(W × H × D), Output Consumption 380W, 90~265 V AC Input, 49~51V DC Output.
	PWR500-50S10	External POE Power Supply, Output Consumption 500W, 90~265 V AC Input, 49~51V DC Output.
	PWR1000-50S20	External POE Power Supply, Output Consumption 1000W, 90~265 V AC Input, 49~51V DC Output.