

MyPower S3330 Series Stackable 10G L3 Access Switch Datasheet

Overview

MyPower S3330 is a high-performance stackable 10G L3 access routing switch developed by Maipu. It is applied in enterprise campus network and easy to deploy Layer3 switching solution that offers enhanced security and 10GbE uplinks, Static/RIP/OSPF, L2 Multicast, VST stacking enabled and flexible management.

The S3330 series switches can be used as access devices on enterprise branch networks and small&medium-sized campus networks. The switches help build highly reliable enterprise campus networks that are easy to expand and manage.

MyPower S3330 series includes S3330-28TXF-AC, S3330-28TXP-AC, S3330-54TXP, S3330-28GXF-AC, S3330-28GXF-DC48 four models.

S3330-28TXF-AC Provides 24*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply.

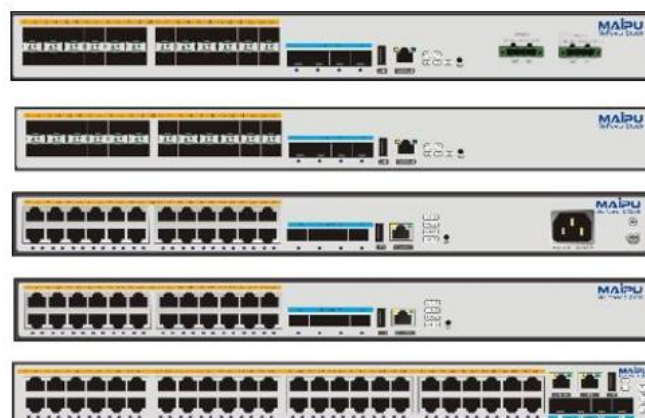
S3330-28TXP-AC Provides 24*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply, PoE&PoE+ Enable.

S3330-54TXP Provides 48*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, One extension slot, Dual modular AC Power, PoE&PoE+ Enable.

S3330-54TXF-AC Provides 48*10/100/1000M electric interfaces, Six 10G SFP+ interfaces, Dual modular AC Power.

S3330-28GXF-AC Provides 24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply.

S3330-28GXF-DC48 Provides 24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual DC Input.



Key Features

Intelligent VST stacking

S3330 series switch supports Maipu VST stacking function. Multiple switches supporting stacking feature are combined to form a virtual switch logically. VST stacking system improves the device-class reliability by redundant backup among multiple member devices, and improves the link-class reliability by the link aggregation function across devices. VST provides a powerful network expansion capability. By adding member devices, it can easily expand the number of ports, bandwidth and processing capacity of the stacking system. VST simplifies the configuration and management. After stacking is formed, many physical devices become a virtual device, and users can log into the master switch to configure and manage all member devices of the stacking system in a unified manner.

High availability

S3330 series switch not only supports the traditional STP/RSTP/MSTP spanning tree protocol, but also supports the G.8032 international standard ERPS protocol issued by ITU-T. This standard can realize 50ms millisecond fast protection switching of Ethernet ring network. The S3330 also supports Virtual Router Redundancy Protocol (VRRP), which implement backup of uplinks. One switch can connect to multiple aggregation switches through multiple links, significantly improving the reliability of access devices.

Perfect security policy

S3330 series switch provides various security policies such as user authority/identity authentication, port security, port rate limitation, port monitoring, ACL, loopback detection, and 802.1X authentication; provides various protect mechanisms for user access and network security. It has perfect security function design and supports 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.

Advanced QoS

Each port of S3330 supports eight queues and the queue scheduling policies such as SP, RR, WRR, and WDRR; rich priority mappings including 802.1p, COS, DSCP; Kbps-level port traffic rate restriction and carriers can limit the rate according to the time period; Tail Drop and RED packet loss algorithm.

Comprehensive network management

S3330 series switch provides SHELL, TELNET, SSH, SNMP 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.

Technical Specifications

Product Model	MyPower S3330				
Frame Model	S3330-28TXF-AC S3330-54TXF-AC	S3330-28TXP-AC	S3330-28GXF-AC	S3330-28GXF-DC48	S3330-54TXP
Product Configurations					
Device Structure	Desktop				
Physical Port	24/48*10/100/1000M electric interfaces, Four/Six 10G SFP+ interfaces, Dual AC Power Supply.	24*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply, PoE&PoE+ Enable.	24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply.	24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual DC Input.	48*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, One extension slot, Dual AC Power Supply, PoE&PoE+ Enable.
Extension Slot	N/A				1 extension slot
Memory	256M Flash, 1G RAM				
RJ45 Console Port	1				
USB Port	1				
Power Supply	Dual AC	Dual AC	Dual AC	Dual DC Input	Modular Dual AC
Intelligent Fans	Yes				
Performance Parameters					
Switching capability	128Gbps/216Gbps	128Gbps	128Gbps	128Gbps	216Gbps
Throughput	95.2Mpps/160Mpps	95.2Mpps	95.2Mpps	95.2Mpps	160.7Mpps
Jumbo	12K				
VLAN Entry	4K				
MAC Entry	16K(32K for 54TXF)				32K
Routing Entry	1K				
Multicast Entry	1K				
ACL Entry	2K				
Packet Buffer	12Mbit				
Anti-static	Yes				
Anti-lightning	Yes				
MTBF	>80000 hours				
Physical Index					
Dimension (W×D×H) (mm)	442*220*44.2	442*380*44.2	442*320*44.2	442*220*44.2	442mm×420mm×44.2mm
Power Supply					
Power Input	AC 100-240V, 50-60Hz			DC -48V	AC 100-240V, 50-60Hz
Power Consumption (MAX)	≤50W/55W	≤50W	≤75W	≤75	≤55W
POE Power Consumption (MAX)	N/A	380W	N/A	N/A	760W

Environment			
Working Temperature	0°C~50°C		
Humidity	10~90%, non-condensing		
Software Features			
Standard protocol	L2 LAN	Port Type UNI/NNI, Port Speed, Port MTU, Switch Port, Port Loopback, Port Energy Control, Loopback interface, Null interface	
		MAC address aging time, Mac address learning on off, Mac address learning limitation, Mac address VLAN bunding, MAC debug	
		VLAN, VLAN PVID, VLAN interface, VLAN Tag/Untag, VLAN Trunk, MAC VLAN, Protocol VLAN, Subnet VLAN, Super VLAN, Voice VLAN, VLAN Debug	
		STP/RSTP/MSTP, BPDU Guard, Flap Guard, Loop Guard, Root Guard, TC Guard	
		G.8032(ERPSv1&v2)	
		Static Multicast, IGMP Snooping	
		LACP Link aggregation, LACP Port Priority, LACP Load Balance, LACP Rate Monitor, LACP Debug	
		Error-disable based on bpduguard Dai DHCP Snooping Link-Flap Loopback-detect Port Security Storm Control Transceiver Power, Error-disable recovery	
ULFD, Track, Loopback Detection, Loopback Debug			
Standard protocol	L3	Routing Protocol	Static route, RIP v1/v2, OSPFv2, Policy Route, VRRP
		DHCP	DHCP Server, DHCP Client, DHCP Relay, DHCP Snooping, DHCP Option51/82
Stacking	VST	VST Member, VST Domain, VST Member Priority, VSL Channel	
	MAD	MAD LACP, MAD Fast-hello	
Network security	Port Security	Port Security On aging deny permit violation ACL	
	Network Security	IP Source Guard, DHCP Snooping, Host Guard, Dynamic ARP Inspection	
	Access Control List	Standard IP ACL, extended IP ACL, standard MAC ACL, extended MAC ACL, Standard Hybrid ACL, extended Hybrid ACL, Standard IPv6 ACL, extended IPv6 ACL	
	Anti-attack	Anti-attack detect drop flood log	
	AAA	Authentication, Authorization, Accounting, Radius, TACACS, 802.1x	
QoS	Flow Classification	802.1P priority, DSCP priority	
	Traffic Speed Control	Rate Limit, Traffic Shaping	
	Congestion Management	SP, RR, WDRR, SP+WRR	
	Congestion Avoidance	Tail-drop, RED, WRED	
Management	Network Management	SNMP v1/v2/v3, MIB, RMON, SYSLOG, DNS, CLI, Telnet, FTP/TFTP, Debug	

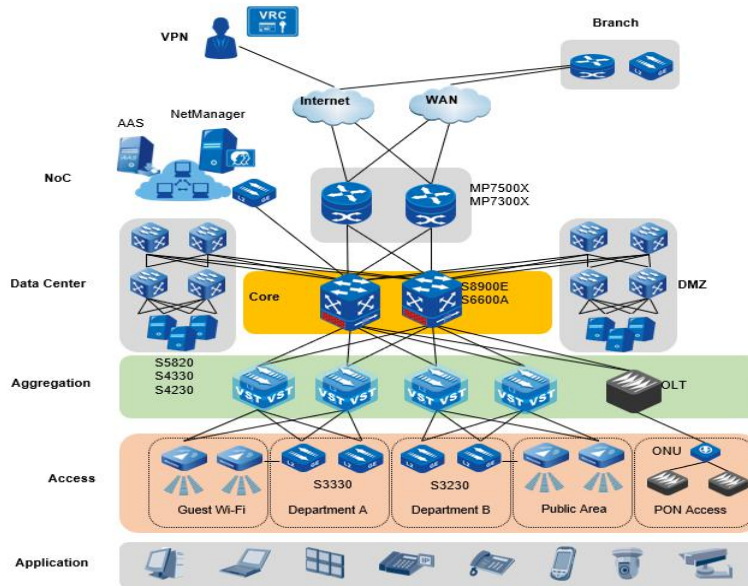
	Network Monitoring	SPAN, sFlow, LLDP, IP-SLA Based On ICMP-echo ICMP-path-echo ICMP-path-jitter VoIP jitter UDP echo
IEEE Standard	IEEE 802.3 (10BASE-T) IEEE 802.3z (1000BASE-X) IEEE 802.3ae (10G BASE-X) IEEE 802.3ad (Link Aggregation) IEEE802.3az (Energy Efficient Ethernet) IEEE 802.1d (STP) IEEE 802.1Q (Virtual LAN) IEEE 802.1w (RSTP) IEEE 802.1s (MSTP) IEEE 802.1p (Cos priority)	IEEE 802.3u (100BASE-T) IEEE 802.3ab (1000BASE-T) IEEE 802.1x (port authentication) IEEE 802.3x (Flow Control)

Order Information

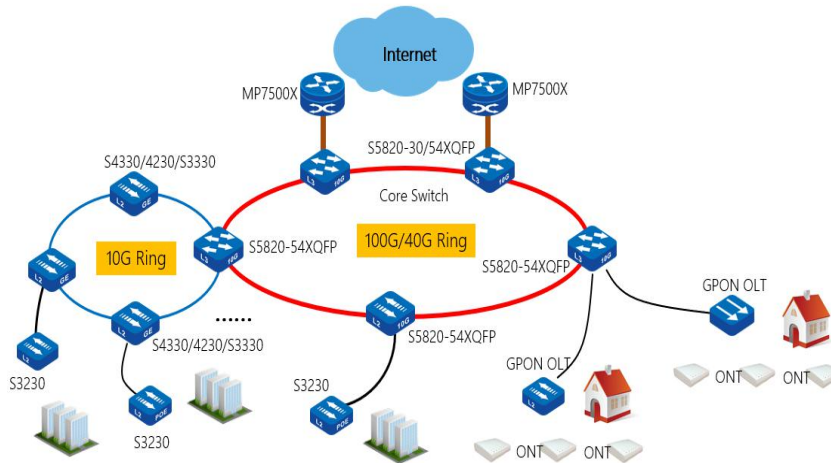
Series	Model	Description
MyPower S3330 Series Host		
MyPower S3330 Series	S3330-28TXF-AC	24*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply.
	S3330-28TXP-AC	24*10/100/1000M electric interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply, PoE&PoE+ Enable.
	S3330-28GXF-AC	24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual AC Power Supply.
	S3330-28GXF-DC48	24*100/1000M SFP interfaces, Four 10G SFP+ interfaces, Dual DC Input.
	S3330-54TXP	48*100/1000M SFP interfaces(PoE/PoE+), Four 10G SFP+ interfaces, One extension slot, Dual AC Power Supply.
	S3330-54TXF-AC	48*10/100/1000M electric interfaces, Six 10G SFP+ interfaces, Dual AC Power Supply.
Extension slot & Power Module		
Extension Slot	SM4C-2XGEF	2-port-10G(SFP+) Extension slot
Power Module	AD500-1D005E	500W Power Module, 100V-240V(For S3330-54TXP)
Stacking Cable		
Stacking Cable	SFP-STACK-15	High speed stacking cable, SFP+ to SFP+,10Gbps, L=1.5m
	SFP-STACK-30	High speed stacking cable, SFP+ to SFP+,10Gbps, L=3.0m
	SFP-STACK-50	High speed stacking cable, SFP+ to SFP+,10Gbps, L=5.0m

Typical Application

Campus LAN Network



ISP FTTH Network



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