POE S5054R-SI-48P900

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L3 Managed Gigabit Ethernet Switch with PoE Injector

Description

The S5054R is a new generation Ethernet intelligent access switch. It is mainly deployed on the IP MAN and intranets, meeting requirements the requirements of carrying various Ethernet services and accessing the Ethernet. It also provide the PoE function for powering of wireless LAN (WLAN) access points, IP security cameras, VoIP telephone and other low port density installations.

The S5054R is a case-shaped device with a chassis of 1U high. It provides 48 10/100/1000Base-TX ports + 6 10G SFP+ ports. It provides 48 PoE Injector.

Features

- IEEE802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3at
- Provides 48 10/100/1000 Base-TX ports + 6 10G SFP+ ports
- Provides 48 PoE injector
- Build-in power supplies, 450W / 900W
- High back-plane bandwidth 216Gbps
- Support MLD Snooping
- Support standard IP/ Extend IP / MAC IP / ARP ACL
- Support IGMP snooping for Multi-media application
- Support Port mirror and bandwidth control
- Support IEEE802.3x Flow control
- Support Port Based VLAN / 802.1Q Tag VLAN
- Support IEEE802.3ad Port trunk with LACP
- Support Spanning tree protocol IEEE802.1d/802.1w/802.1s
- Support IEEE 802.1p class of service
- Support IEEE 802.1x user authentication
- Support Broadcast storm filter
- Support DHCP client, DHCP relay, DHCP server, DHCP snooping
- Support Static Route, Policy Route, RIP, OSPF, VRRP
- Support System event log
- Support command line interface management
- Management by Web / SNMP / SSH / Telnet / Console

Specifications

Attributes	
Networking Interfaces	48 x 10/100/1000 Mbps RJ45 Ethernet Ports
	6 x 10Gbps SFP+ Ethernet Ports
Management Interface	Console
LED Indicators	Power, Link/Act, PoE
Performance	
Switching Capacity	216 Gbps
Forwarding Capacity	160.7 Mpps
Forwarding Mode	Store and Forward
Packet Buffer Memory	16 Mbit
RAM for CPU	2 Gbit
Flash Memory	256 Mbit
MAC Address Table	32K
Max. Jumbo Frame size	12KB
ACL Table	4K
VLAN Quantity	4K
VLAN Interface	1K
Multicast groups	4K
Routing Host	12K
Routing Entries	24K IPv4 or 4K IPv6
Port Queues	8
PoE Budget	400W / 850W
Physical	
Dimensions	440 x 350 x 44 mm
Weight	
Operating Temperature	0 to 40℃
Storage Temperature	-10 to 70℃
Operating Humidity	5 to 95% Noncondensing
Power Method	100-240VAC, 50/60Hz
Max. Power Consumption	50W
EMC Safety	FCC, CE, RoHS
Reliability	
Power over Ethernet	
PoE Interfaces	Ports 1-48
PoE Standard	IEEE802.3af, IEEE802.3at
Max. PoE Wattage per Port	30W
PoE Voltage	52VDC
PoE Pin Assignment	V- (RJ45 Pin1,2), V+ (RJ45 Pin 3,6)
PoE Management	Port-base PoE status view and control
Port Configuration	
Enable and Disable	Support control enable and disable
Auto-Negotiation	Support force port mode and speed
Flow Control	Support IEEE802.3x full-duplex
	Support half-duplex backpressure
Storm Control	Support broadcast, multicast and DLF package rate limit

Port Mirroring	Support many to one mirroring
Rate Limit	Support Port input and output rate limit
Link Aggregation	Support manual Link Aggregation
	Support LACP
	Up to 32 maximum aggregation groups, each containing up to 8 ports
Aggregation Strategy	Source MAC / Destination MAC / Source Destination MAC
	Source IP / Destination IP / Source Destination IP
Port Protection	Each port can be configured into isolated protected port from each other

MAC Configuration	
MAC Address Table Management	Support
Transfer Mode	Support IVL transfer mode
Static MAC Address	Support
MAC Binding	Support
MAC Address Filter	Support
MAC Quantity Limitation	Support limit the number of MAC-addresses Learning per port

VLAN Configuration	
VLAN Based on 802.1Q	Support
MAC-Based VLAN	Support
IP-Based VLAN	Support
Protocol-Based VLAN	Support
Guest VLAN	Support
Private VLAN	Support

Reliability Protocol	
Spanning Tree	Support STP/RSTP/MSTP
BPDU Guard	Support
BPDU Filter	Support
Port Loop Detection	Support
EAPS Protocol	Support RFC3619
LLDP Protocol	Support LLDP and LLDP-MED
UDLD Protocol	Totally compatible with UDLD protocol of CISCO

L3 Routing	
Static ARP & Dynamic ARP	Support
Static Routing	Support
Policy Routing	Support
RIP	Support RIP v1/v2
OSPF	Support OSPF v2
VRRP	Support
VLLP	Support
BGP	Support

Multicast	
Static Multicast MAC Address	Support
IGMP SNOOPING	Support
IGMP Querier	Support
IGMP Filter	Support
MVR	Support
GMRP	Support
PIM-SM	Support

Access Control List (ACL)	

Based on Standard IP	Support
Based on Extend IP	Support
Based on MAC IP	Support
Based on MAC ARP	Support
Based on time	Support
Port Filtering	Support
Quality of Service (QOS)	
Scheduling Mode	Support WRR, SP, WFQ
Sorting Based on Port	Support
Sorting Based on 802.1p	Support
Sorting Based on DSCP	Support
DHCP	
DHCP Client	Support
DHCP Relay	Support
DHCP Server	Support
DHCP option 82	Support
DHCP Snooping	Support
Security	
Administrative Security	Support start and end TELNET, WEB and SNMP serve Support TELNET, WEB and SNMP serve binding with Standard IP ACL Support control the number of user for TELNET
CPU Protect	Switch self-security protect, forbid flow attack
IP-MAC Address Binding	Support binding between static configuration IP, MAC and Port
AAA	Support 802.1x protocol Support RADIUS protocol Support RADIUS server authentication authorization and bill Support MAC-based 802.1X authentication. Support 802.1x guest VLAN
DHCP SNOOPING	Support dynamic ARP binding to prevent ARP spoofing Support dynamic IP, MAC port binding Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever
Prevent ARP Spoofing	Support manual configure ACL rule based on MAC ARP prevent ARP spoofing Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing
Management Feature	
CLI Management	Support serial port management Support TELNET management Support SSH management
WEB Management	Support
SNMP Management	Support SNMP protocol Support SNMP TRAP Support standard and private MIB
User management	Support multi-user management
Show CPU Utilization	Support
Show RAM Utilization	Support
Log Management	Support
Configuration Download / Upload	Support
Upgrade Firmware	Support
Timer Management	Support local timer management

	Support SNTP protocol get clock
Debugging Tools	
PING	Support
TRACEROUTE	Support
TELNET Client	Support
Package List	
Switch	1pcs
User Manual	1pcs
Power Cord	1pcs
DB9 to RJ45 Cable	1pcs
Rack Mount Kit	2pcs
Rubber Feet	4pcs