

سوییچ رک مونت لایه 3

Model:SW-24240GC-4ST-L3

دارای 24 پورت شبکه PoE 2.5Gbps

دارای 2 پورت شبکه RJ45 10Gbps

دارای 4 پورت فیبر 10Gbps



ویژگی ها

- پشتیبانی از استانداردهای IEEE802.3af/at/bt
- پورت 2.5Gbps با قابلیت Auto-Negotiation به طور خودکار با سرعت های 10، 100 و 1000Mbps تطبیق می یابد، بدون نیاز به تغییر سخت افزار.
- پورت 10Gbps با قابلیت Auto-Negotiation به طور خودکار با سرعت های 10، 100 و 1000Mbps و 2.5G/5Gbps تطبیق می یابد، بدون نیاز به تغییر سخت افزار.
- پشتیبانی از ماژول های فیبرنوری SR/LR/LRM/ER/ZR
- پشتیبانی از پروتکل مسیریابی لایه 3
- پشتیبانی از Static Aggregation و LACP برای افزایش پهنای باند، و Link Redundancy و Load Balancing
- پشتیبانی از آپلود و دانلود فایل ها از طریق TFTP,FTP
- دارای مدیریت از راه دور از طریق CLI,Telnet و SSH برای پیکربندی و نظارت کامل شبکه

Model	SW-24240GC-4ST-L3
Interface	24*10M/100M/1000M/2.5Gbps RJ45 Ports 2*100M/1000M/2.5G/5G/10Gbps RJ45 Ports 4*1000M/2.5G/10Gbps SFP+ Slots 1*Console Port
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3bz, IEEE802.3ae, IEEE802.3ad, IEEE802.3an, IEEE802.1X, IEEE802.1Q, IEEE802.1p, IEEE802.1d, IEEE802.1w, IEEE802.3af, IEEE802.3at, IEEE802.3bt
Network Media	10BASE-TX: UTP category 3, 4, 5 cable(≤100m) 100BASE-TX: UTP category 5, 5e cable(≤100m) 1000BASE-TX: UTP category 5e, 6 cable(≤100m) 2.5GBASE-TX: UTP category6, 6A cable(≤100m) 10GBASE-TX: UTP category 6A, 7 cable(≤100m) 1000BASE-X: MMF, SMF 10GBASE-X: MMF, SMF 10GBASE-SR: OM1/OM2/OM3 or above MMF (2m~300m) 10GBASE-LR: IEC's B1.1 and B1.3 SMF (2m~10000m)
Indicator	PWR(Green), LNK/ACT(Green/Orange), SYS(Green), PoE(Orange)
MAC Address Table	32K, Auto-learning, Auto-updating
Jumbo Frame	12KByte
Packet Buffer	16Mbit
Transfer Mode	Store-and-forward
Packet Forward Speed	178.56Mpps
Switching Capacity	240Gbps
Input Power Supply	Port 1-24(1-8 ports support IEEE802.3bt standard, 9-24 ports support IEEE802.3af/at standard)
PoE Power On RJ45	1/2(-), 3/6(+) and 4/5(+), 7/8(-)
PoE Output	1-8 ports 90W(Max); 9-24 ports 30W(Max)
PoE Power Budget	438W
Power Supply	450W Built-in power supply
Input Voltage	AC:100-240V, 50/60Hz, 8A Max
Dimensions(L*W*H)	440*260*44mm, Black
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Differential mode ±2KV , Common mode ±4KV
Electrostatic Standard	Contact ±6KV, Air ±8KV
MTBF	>100000 hours

L3 Features	DHCP Server	DHCP Server
		DHCPv6 Server
	Route	Static Route(IPV4/IPV6)
		Route Aggregation
	RIP	RIP v1/v2/RIPng
	OSPF	OSPF v2/v3
	BGP	BGP4/BGP6
	VRRP	IPv4/IPv6 VRRP
PIM	IPv4/IPv6 PIM	
Stacking	Stacking VSF	
L2 Features	MAC Address Table	MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https ` SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3) ` SNMP Trap
		RMON
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
		Onvif
		ZTP
	Port Config	Bandwidth Control
		Flow Control
		EEE
		MTU
		CFM(802.1ag)
		EFM OAM(802.3ah)
		DDM
		Storm Control
		Port Isolation
		Port Security
		Virtual Cable Test
	ULDP/Cisco UDLD	
	Discovery	LLDP(802.1ab)
		LLDP-MED
	Link Aggregation	Static
		LACP(802.3ad)
Load Balance(src-mac/dst-mac/src-ip/dst-ip)		
Max groups and ports per group		

L2 Features		LACP(802.3ad)
		Load Balance(src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	VLAN	VLAN(802.1Q 4K)
		Access/Trunk/Hybrid
		Private VLAN
		VLAN Filter
		MAC-based VLAN
		Protocol-based VLAN
		IP Subnet-based VLAN
		Voice VLAN
		GVRP/GMRP
		QinQ/Selective-QinQ/Flexible QinQ
		VLAN Translation/N:1 VLAN Translation
		Guest VLAN
	Network Loop Detection	Loopback Detection
		ERPS
	Spanning Tree	STP/RSTP/MSTP
		MSTP Support 64 instance
		BPDU Guard/Root Guard/BPDU Tunnel
ARP	Static ARP	
	ARP Scanning Prevention	
	ARP Spoofing Prevention	
	ARP Guard	
	Gratuitous ARP	
	Dynamic ARP Inspection	
	ARP Quantity Control	
IPv4 Related Function	ICMP	Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	Control Multicast	DCSCM
	Multicast VLAN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Client/BOOTP
		DHCP Relay
DHCP Snooping		
DHCP Option 82/43/60/61/67		
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Relay
		DHCPv6 Snooping
IPv6 SAVI		

IPv6 Related Function		Security RA
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 Radius+ Support
		IPv6 Tacacs+ Support
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 IPsec Support
		IPv6 ACL
QoS(Quality Of Service)	Basic	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	Policing	CAR Stream Shaping(leak algorithm)
		Ingress Policing
	Rewrite	COS/802.1p Priority
		IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence
		internal-priority
		Ingress/Egress Rewrite
	Queuing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
COS to DP mapping		
COS to Queue mapping		
ACL	IP-ACL	SIP/DIP
		IP Protocol
		IP Priority(DSCP,TOS, Precedence)
		TCP,UDP src,dst Port
	MAC-ACL	SRC/DST MAC
		VLAN
		COS

ACL		Tag/Untag
	IP-MAC ACL	MAC-ACL and IP-ACL
	User-defined ACL	Base on user defined profile
	ACL Features	Based on time period ACL
ACL on VLAN		
Based on ACL Stream		
Security	802.1x	Port Based Authentication
		Support EAPoR
		MAC based Authentication
		Guest VLAN
	MAB	Based on Port Authentication
		Based on MAC Authentication
	MAC Address Count Limit	Based on Port
		Based on VLAN
	IP Address Count Limit	Based on Port
		Based on VLAN
	Access Management	Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Fragment
IP Segment		
ICMP		
TACACS+	Standard Support	
Radius	Standard Support	
	Client, Support MD5	
SSL	Openssl 1.1.0	
Redundancy Related Function	MRPP	Compatiable ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
ULSM	Uplink State Monitor	
Flow Monitor Function	Mirror	Support one to one, multi to one
		Port based mirror, support ingress, egress, and both
		CPU based mirror
		Flow based mirror
		RSPAN
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling