

سوییچ رک مونت لایه 3

Model: SW-24240XC-6ST-L3

دارای 24 پورت شبکه PoE 2.5Gbps

سوییچ مدیریتی

دارای 6 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، Load Balancing و Link Redundancy
- 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

3

سال

گارانتی طلایی
تعویض

Model	SW-24240XC-6ST-L3
Interface	24*10M/100M/1000M/2.5Gbps RJ45 Ports 6*1000M/2.5G/10Gbps SFP+ Slots 1*Console Port
Standard	IEEE802.3, IEEE802.3ae, IEEE802.3a, IEEE802.1ab, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1q, IEEE802.1p, IEEE802.1x, IEEE802.1s, IEEE802.1d, IEEE802.1w, IEEE802.3ad, IEEE802.3af, IEEE802.3at, IEEE802.3bt
Network Media(Cable)	10BASE-T:UTP category 3, 4, 5 cable (≤100m) 100BASE-T:UTP category 5, 5e cable(≤100m) 1000BASE-TX:UTP category 5e, 6 cable(≤100m) 2.5GBASE-X:UTP category 6, 6A 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), SYS (Green), PoE(Orange)
MAC Address Table	32K,Auto-learning, Auto-updating
Jumbo Frame	12KByte
Packet Buffer	16Mbit
Transfer Mode	Store-and-Forward
Switching Capacity	240Gbps
Packet Forward Speed	178.56Mpps
Dimensions(L*W*H)	440*330*44mm
Total Power Supply	1000W
Input Voltage	AC: 100-240V, 50/60Hz
PoE Total Power	720W
PoE Port	Port 1-24
PoE Output Power	90W (Max)
Powered by RJ45 PoE	1/2(-)3/6(+), 4/5(+)/7/8(-)
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing

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
	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

		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 SNTTP/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

		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
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
	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