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AXCSM-8GE+2SFP-PR

**8-Port 10/100/1000 Mbps L2 Managed PoE Switch
With 2 SFP Uplink Ports**



This Smart Managed PoE switch is specially designed to meet the demand of PoE power supply, which adopts new generation of high-performance hardware and software platform to provide flexible and cost effective-full gigabit access and uplink ports, supports complete security protection mechanism, perfect QoS policy and flexible VLAN function, easy to manage and maintain, and meet the user's demand for easy network equipment management, high security and low cost networking.

Features



Safe Reliance
High Stability



PoE & L2 Management Latest
Features at your Fingertips

Applications

- Educational Campus
- Hotel Networks
- Corporate Networks
- Enterprise Campus Network Access
- Network Convergence
- Various other application Scenarios



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Hardware Specifications

Model	AXCSM-8GE+2SFP-PR
Product Description	8-Port 10/100/1000 Mbps L2 Managed PoE Switch With 2 SFP Uplink Ports, 1 Console Port
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE 802.1q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at
Network Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 5 cable (≤100m) 1000BASE-X: MMF, SMF
Indicator	PWR, LNK/ACT, PoE, SYS, Auto-learning, Auto-updating
MAC Address Table	8K, Auto-learning, Auto-updating
Jumbo Frame	9216Bytes
Packet Buffer	4.1Mbit
Transfer Mode	Store-and-forward
Packet Forward Speed	14.88Mpps
Switching Capacity	20Gbps
PoE Port	Port 1 ~ 8
PoE Power On RJ45	1/2 (+), 3/6 (-)
PoE Power Output	Voltage: 55V; Power: 30W (MAX)
PoE Power Budget	140W
Power Supply	150W
Input Power Supply	AC: 100~240V, 50/60Hz; DC: 48~57V
Dimensions(L*W*H)	280mm x 180mm x 44mm
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Common mode ±4KV Differential mode ±2KV;
MTBF	>50000 hour
Electrostatic Standard	Contact ±6KV, Air ±8KV
Green Energy Saving	Support IEEE (802.3az)
Warranty	3 Years
ISO	Manufactured in ISO 9001:2015 facility
Safety	ROHS

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Software Specification

L3 Features	DHCP Server	DHCP Server	
		DHCPv6 Server	
	Route	Static Route(IPV4/ IPV6)	
		Route Aggregation	
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	
		SNTP/NTP	
		CPU protect	
		Software/Hardware watchdog	
		Firmware Upgrade/Backup	
		Ping/Traceroute	
		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	

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	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 VALN	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 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 IPSec Support
		IPv6 ACL

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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	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	

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	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 Function	MRPP	Compatiable ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/ Monitor Link
ULSM	Uplink State Monitor	
Mirror	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



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