

32 Ports Managed POE Switch

【Introduction】

The 28-ports Gigabit Managed POE Switch is a Green Energy-Saving POE Switch independently . It adopts High-Quality and High-Speed Network IC and the most stable POE Chip. The POE port meets the IEEE802.3af or IEEE802.3at standard. This model can provide seamless connection for 10/100/1000M Ethernet, and the POE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The Non-POE devices are forcibly powered and only transmit data.

【Main Features】

- Can transfer data for network surveillance cameras;
- 24 x 10/100/1000Mbps auto-sensing POE Ports, 4 x 10/100/1000Mbps Combo Ports, 1 x Console Port;
- Support IEEE802.3/IEEE802.3i/IEEE802.3uIEEE802.3ab/IEEE802.3z, IEEE802.3af/at, store-and-forward;
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w);
- Ethernet port supports 10/100/1000M adaptive and POE functions;
- Panel indicator monitoring the status and help failure analysis;
- Fanless design, Natural Cooling, 1U Rack Mount;
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication;
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management;
- Support POE Power Management;
- Support POE Watchdog
- Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 15KV.

【Application Environment】

- Metro Optical Broadband Network: Data network operators such as

telecommunications, cable TV, and network system integration,etc.

- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
- Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
- Real-time monitoring: Simultaneous transmission of real-time control signals, images and data

【Specifications】

I/O Interface	
Power	Input: AC 100-240V, 50/60Hz
Ethernet	24* 10/100/1000Mbps PoE Port 4* 1000M RJ45 Port(Combo) 4*1000M SFP Port (Combo) 1 * RJ45 Console Port
Performance	
Switching Capacity	56Gbps
Throughput	41.66Mpps
Packet Buffer	4Mb
Flash Memory	16MB
DDR SDRAM	128MB
MAC Address	8K
Jumbo Frame	9.6Kbytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE 802.3 : Ethernet MAC Protocol IEEE 802.3i : 10BASE-T Ethernet

	<p>IEEE 802.3u : 100BASE-TX Fast Ethernet</p> <p>IEEE 802.3ab : 1000BASE-T Gigabit Ethernet</p> <p>IEEE 802.3z : 1000BASE-X Gigabit Ethernet (optical fiber)</p> <p>IEEE 802.3az : Energy Efficient Ethernet</p> <p>IEEE 802.3ad : Standard method for performing link aggregation</p> <p>IEEE 802.3x : Flow control</p> <p>IEEE 802.1ab : LLDP/LLDP-MED (Link Layer Discovery Protocol)</p> <p>IEEE 802.1p : LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function)</p> <p>IEEE 802.1q : VLAN Bridge Operation</p> <p>IEEE 802.1x : Client/Server Access Control and Authentication Protocol</p> <p>IEEE 802.1d : STP</p> <p>IEEE 802.1s : MSTP</p> <p>IEEE 802.1w : RSTP</p>
PoE Protocol	<p>IEEE802.3af (15.4W)</p> <p>IEEE802.3at (30W)</p>
Industry Standard	<p>EMI: FCC Part 15 CISPR (EN55032) class A</p> <p>EMS: EN61000-4-2 (ESD) 、 EN61000-4-4 (EFT) 、 EN61000-4-5 (Surge)</p> <p>Shock: IEC 60068-2-27</p> <p>Free Fall: IEC 60068-2-32</p> <p>Vibration: IEC 60068-2-6</p>
Network Medium	<p>10Base-T : Cat3 、 4 、 5 or above UTP(≤100m)</p> <p>100Base-TX : Cat5 or above UTP(≤100m)</p> <p>1000Base-TX : Cat5 or above UTP(≤100m)</p> <p>Multi-mode Fiber: 50/125 、 62.5/125 、 100/140um</p> <p>Single-mode Fiber: 8/125 、 8.7/125 、 9/125 、 10/125um</p>
Protection	
Security Certificate	CE 、 FCC 、 RoHS
Environment	

Working Environment	<p>Working Temperature : -20~50°C</p> <p>Storage Temperature : -40~85°C</p> <p>Working Humidity : 10%~90% , non-condensing</p> <p>Storage Temperature : 5%~90% , non-condensing</p> <p>Working Height : Maximum10,000 feet</p> <p>Storage heigh : Maximum 10,000 feet</p>
Indication	
LED Indicators	PWR (power supply) ,SYS (System) ,1-24 PoE&ACT (PoE),1-24 Link&ACT (Link&Act) , 25-28 Link(Link),25-28 Act (Act)
DIP Switch	Reset
Mechanical	
Structure Size	<p>Product Dimension (L*W*H): 440* 280*44.5mm</p> <p>Package Dimension (L*W*H): 500*350*90mm</p> <p>N.W : 3.9kg</p> <p>G.W : 4.6kg</p>
Packing Info	<p>Carton MEAS : 600*495*435mm</p> <p>Packing Qty : 5 units</p> <p>Packing Weight : 24KG</p>
Power Voltage	<p>Input Voltage : AC 100-240 V</p> <p>Power supply : 52V7.69A</p>
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Warranty card 1 pc, Brackets 1 pair(Selectable)
Ordering Info	
ZX-AFGM-2444S-400	32 Port Gigabit Managed PoE Switch

Layer 2 Software Function



Port Management	Enable/Disable Port	
	Speed 、 Duplex 、 MTU Setting	
	Flow-control	
	Port Information Check	
Port Mirroring	Supports both side-way port mirroring	
Port Speed Limit	Supports port-based input / output bandwidth management	
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port	
Storm Suppression	Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering	
Link Aggregation	Support static manual aggregation Support LACP dynamic aggregation	
VLAN	Access	
	Trunk	
	Hybrid	
	Support port, protocol, MAC-based VLAN partitioning	
	Support GVRP dynamic VLAN registration	
	Voice VLAN	
MAC	Support static addition, deletion	
	MAC address learning limit	
	Support dynamic aging time setting	
Spanning tree	Support STP spanning tree protocol Supports RSTP Rapid Spanning Tree Protocol Supports MSTP Rapid Spanning Tree Protocol	
Multicast	Support static addition, deletion	
	IGMP-snooping	
	Support MLD-Snooping	
Multicast	Support v1/2/3 dynamic multicast monitor	
	DDM	Support SFP/SFP+DDM
	Extended Function	
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port	
Qos	Based on 802.1p (COS) classification	
	Based on DSCP classification	
	Classification based on source IP, destination IP, and port number	

	Support SP, WRR scheduling strategy
	Support flow rate limit CAR
LLDP	Support LLDP link discovery protocol
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense
	Support CPU protection and limits the rate of sending cpu packets
	ARP binding (IP, MAC, PORT binding)
Certification	Support 802.1x port authentication
	Support AAA certification
Network diagnosis	Support ping 、telnet 、trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
Management function	
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor
SNMP	SNMP V1/V2/V3
	Support trap : ColdStart 、WarmStart 、LinkDown 、LinkUp
RMON	Support RMON v1
POE	Support PoE power supply
Other functions	Support DHCP Snooping 、Option82 、DHCP Server
	Support dynamic ARP detection
	Support TACACS+ certification
	Support DNS certification
	Support port security settings
	Support MVR protocol
	Support cable detection VCT function
Support UDLD protocol	

[Product Picture]

