32 Ports Managed POE Switch

ANG2444

The 28-ports Gigabit Managed POE Switch is a Green Energy-Saving POE Switch. It adopts High-Quality and High-Speed Network IC and the most stable POE Chip. POE 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.

Features

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

Technical parameter list

General Performance Indicator	
Product Name	28 Port Gigabit Managed POE Switch
Product Model	ANG2444
Interface	24*10/100/1000M POE Ports + 4*Gigabit SFP/TP Combo Ports + 1*Console Port
Network Protocols	IEEE 802.3 IEEE 802.3u IEEE 802.3ab/ad/az/af/at IIEEE 802.3x IEEE 802.1q IEEE 802.1p，QoS IGMP Snooping

PoE Parameters	PoE Standard: IEEE802.3at (30W) and IEEE802.3af (15.4w)
PoE Parameters Port Lightning Protection	PoE compatibility: IEEE 802.3af/at adaptive
	POE port output: DC48-55V
	Power Pin Assignment: Power over spare pairs 1/2(+) and 3/6 (-)
	General Mode 6KV, Differential Mode 4KV, ESD 15KV.
Network Transmission Medium	10BASE-T: Cat3, 4, 5 UTP (≤ 100 m) 100BASE-TX: UTP (≤100 m) above Cat5 1000BASE-TX: UTP (≤100 m) above Cat5
Optical	Multimode fiber: 1310nm, 2Km Single mode fiber: 1310nm, 20/40 Km 1550nm, 60/80/100/120Km
The LED indicator	SYS, PWR, Link (lines 2, 4) / Act (lines 1, 3)
Power Supply	Machine input voltage: AC110-240V; Output: DC52V5.76A Total power: 300W
Physical Dimension	Product size (L×W×H): 445mm× 285mm× 45mm Package size (L×WxH): 470mm × 350mm × 120mm Product weight: kg Package weight:kg

Working Environment	Operating Temperature:-20° ~ 55 ° C; Storage Temperature: -40 ° ~ 85 ° C; Operating Humidity: 10% ~ 95%, non-condensing Working height: up to 10,000 feet (3,000 meters) Storage height: up to 10,000 feet (3,000 meters)
Certification	CE, FCC,ROHS,CCC
MTBF:	100,000 hours
Package Contents	1. Switch: 1 set 2. Instruction manual: 1 3. Certificate of conformity: 1 4. Warranty card: 1 5. AC power cord 1 6. A pair of hanging ears
Warranty	2 years warranty

Technical Indicators

Bandwidth	56Gbps (non-blocking)
Packet Forwarding rate	41.66Mpps
Packet Buffer Memory	4M
Memory Capacity	128MB

Flash Capacity	16MB
Jumbo frame	9.6Kbytes
VLANs	4096
MAC	8K
Forwarding Mode	Store-And-Forward
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
	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
	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