28 Ports Managed PoE Switch with 4*10G-SFP+

24*GE POE+4*10G SFP+1*Console Managed PoE Switch

EWIND

- 24*10/100/1000M + 4*1G/2.5G/10G SFP+ slot Managed PoE Switch,1-24 ports support IEEE 802.3af/at;
- Comply with IEEE 802.3, IEEE 802.3u, IEE802.3ab,IEE802.3z standards;
- PoE port support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port;
- Support QOS, STP/RSTP, IGMP, DHCP, SNMP, WEB, VLAN, ERPS etc.;
- POE port can be real-time network management, timed on/off, can force POE working mode, real-time display of POE port power;
- The power supply total is 400W;
- 3 years warranty.

RoHS FC CE

Introduction

The EW-S2928GM-AP series is a 10G uplink layer two plus managed PoE switch. It has 24*10/100/1000Base-T RJ45 ports and 4*1/2.5/10G SFP+ fiber slot ports. Port 1-24 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 400W(at-600W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP phone, building visual access control intercom, etc. through a network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprise.

The EW-S2928GM-AP has the layer two plus full network management function, supports IPV4/IPV6 management, supports static route full line rate forwarding, supports complete security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important Uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as PoE power management, port traffic control, VLAN division, and SNMP through the Web network management mode.

TECHNICAL SPECIFICATION

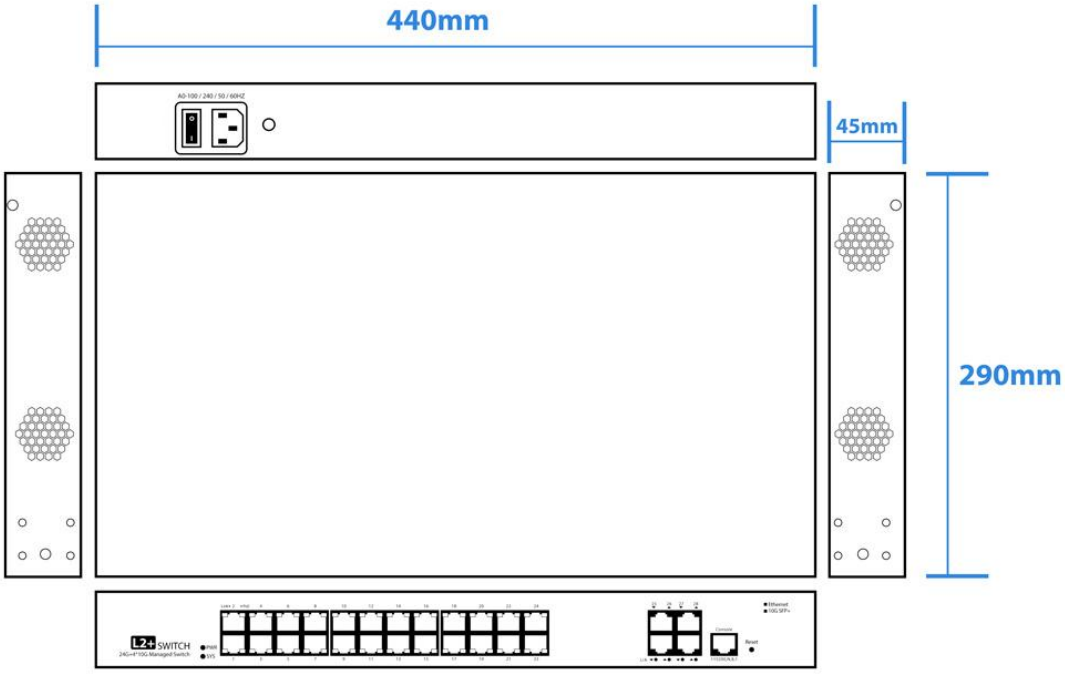
Model	EW-S2928GM-AP	EW-S2928GM-AP-AT
Interface	24*10/100/1000Base-T/TX PoE ports (Data/Power) 4*1G/2.5G/10G Base-X uplink SFP slot ports (Data) 1 * RS232 console port (115200, N,8,1)	
Network Management Type	L2+	
POE Port	Port 1-24 can support IEEE 802.3af/at PoE standard	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3ae 10GBase-SR/LR IEEE802.3x	
PoE Standard	IEEE802.3af/at	
Ethernet Port Feature	Port 1-24 can support 10/100/1000BaseT(X) auto detect, full/half duplex MDI/MDI-X adaptive	
Fiber Port Feature	1G/2.5G/10G SFP fiber interface (Fiber module is not included, need to order separately, module optios include single/multi-mode, single/dual fiber, LC)	
Ethernet Port	10/100/1000Base-T(X), Auto-Detection, Full/half duplex MDI/MDI-X self-adaption	
Forwarding Mode	Store and Forward	
Switching Capacity	598Gbps (non-blocking)	
Forwarding Rate	107.14Mpps	
MAC	32K	
Buffer Memory	32M	
Twisted Pair Transmission	10BASE-T:Cat3,4,5 UTP(≤100 meter) ; 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T:Cat5e or later UTP(≤100 meter)	
Optical Fiber Cable	Multi-mode:850nm 0~300M(10G),850nm 0~500M (1.25G); Single-mode:1310nm 0~40KM,1550nm 0~120KM.	

Power Supply Pin	Default: 1/2(+),3/6(-)	
Max / Average Power Per Port	30W/15.4W	30W/30W
Total PWR / Input Voltage	400W (AC100-220V)	600W (AC100-220V)
Power Consumption	Standby<10W; Full Load<400W	Standby<10W;Full Load<600W
Power Supply	Built-in power supply, AC 100~220V 50-60Hz	Built-in power supply, AC 100~220V 50-60Hz
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Orange),9-10(Link/Act)/ (Green); POE indicator: PoE (Green) SYS:(Green)	
Reset Switch	Yes, One-button factory reset	
Operation TEMP/Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP /Humidity	-40~+80°C;5%~95% RH Non condensing	
Dimension (L*W*H)	440*290*44.5mm	
Net /Gross Weight	<4.4kg / <5.0kg	<4.6kg / <5.3kg
Installation	Desktop, 19-inch 1U cabinet	
Protection	IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5(Lightning protection/Surge): Power:CM±4kV/DM±2kV; Port: ±4kV	
Protection Level	IP30	
Certification	CCC, CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS	
Warranty	3 years, lifelong maintenance.	
Managed Series Feature		
Interface	IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port EEE Ethernet	

PoE Management	Total power limit of PoE power supply PoE output power allocation per port, close /af/at PoE output priority configuration for each port PoE working state display per port Power delay start PoE work and time scheduling
Layer3 Function	Support L2+ managed function, Support IPV4/IPV6 management Support layer3 soft routing (weak three tier) forwarding, Support different network segments, communication between different VLAN Support static routing / default routing 128, 1024 ARP software forwarding
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports.
Spanning Tree	STP (IEEE802.1d) RSTP (IEEE802.1w) MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Image	Bi-directional traffic mirroring supporting the basic port
QoS	Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) priority tag Mark/Remark stream based packet filtering Support for stream based redirection Support flow based speed limit

ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2 to provide secure passwords for user login. Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports
DHCP	Support DHCP Client Support DHCP Snooping Suport DHCP Serve Suport DHCP Relay
Management And Maintenance	Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration Support WEB network management (HTTPS) Support FTP, TFTP, Xmodem, SFTP file download management Support SNMP V1/V2C/V3 Support one bond reduction Support NTP clock Support system work log Support Ping detection Support cable state detection Support CPU instant utilization status view Support link layer discovery protocol LLDP Support NMS intelligent management center
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; Cat5e or later Ethernet cable; TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on on every computer in the network.

DIMENSION



APPLICATION

PACKING LIST

CONTENT	QTY	UNIT
28 Ports Managed PoE Switch with 4*10G SFP (EW-S2928GM-AP)	1	SET
Hanging Ear	1	PAIR
User Guide	1	PC
Warranty Card	1	PC