

16*10/100/1000M PoE Port+10*1000M SFP Managed PoE Switch

EV-POE33024SFP-L2+

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Product Description

EV-POE33024SFP-L2+ is a full gigabit L2+ managed PoE fiber switch. It has 16*10/100/1000Base-T RJ45 ports and 10*100/1000Base-X SFP fiber slot ports. Port 1-16 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 300W. 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 through network cable, to meet the network environment that needs high-density PoE power supply, suitable for hotels, campuses, parks, supermarkets, scenic spots, Factory quarters and SMB small and medium-sized enterprises form a cost-effective network.

The EV-POE33024SFP-L2+ has L2+ full network management, support IPV4 management, static route full line rate forwarding, 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) 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.

Features

- Gigabit access, Gigabit SFP fiber port uplink
- ◇ Support non-blocking wire-speed forwarding.

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- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Support Gigabit Ethernet port and Gigabit SFP port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Intelligent PoE power supply

- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ PoE network management, realize PoE port power allocation, priority setting, port power status viewing, time scheduling, etc.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- ◇ 24*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

■ Security

- ◇ 802.1X authentication.
- ◇ Port isolation, Storm control.
- ◇ IP-MAC-VLAN-Port binding.

■ Strong business processing capability

- ◇ STP/RSTP/MSTP.
- ◇ Static and dynamic aggregation.
- ◇ IGMP V1/V2 and IGMP Snooping.
- ◇ IEEE802.1Q VLAN, flexible VLAN division.
- ◇ QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including Equ, SP, WRR & SP+WRR.
- ◇ ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.

■ Stable and reliable

- ◇ CCC,CE, FCC, RoHS.
- ◇ Low power consumption, galvanized steel casing. The fan active cooling.

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- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link, PoE.

■ Easy operation and maintenance management

- ◇ HTTPS, SSLV3, and SSHV1/V2.
- ◇ RMON, system log, LLDP, and port traffic statistics.
- ◇ CPU monitoring, memory monitoring, Ping test, and cable diagnose.
- ◇ Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3).

Specification

Interface Characteristics	
Fixed Port	16*10/100/1000Base-T PoE ports (Data/Power) 10*100/1000Base-X uplink SFP slot ports (Data) 1*RS232 console port(115200,N,8,1)
Ethernet Port	10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
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)
SFP Slot Port	Gigabit SFP optical fiber interface, default no include optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm / 0- 500M, Single-mode: 1310nm/ 0- 40KM, 1550nm /0-120KM.
Chip Parameter	
Network Management Type	L2+
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	192Gbps
Forwarding	41.7Mpps

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Rate@64byte	
MAC	8K
Buffer Memory	4.1M
Jumbo Frame	10K
LED Indicator	Power:PWR(Yellow), System: SYS(Yellow), Network: Link/Act(Yellow), POE: PoE (Green), Fiber port: L/A(Green)
Reset Switch	Yes, One-button factory reset
PoE & Power Supply	
PoE Port	Port 1 to 16 IEEE802.3af/at @ POE
PoE Management	Total power limit of PoE power supply PoE output power allocation, PoE on/off & af/at PoE output priority configuration, PoE working status Delay start of power supply, Scheduling of PoE operation and time
Power Supply Pin	Default 1/2 (+) 3/6 (-)
Max Power Per Port	30W, IEEE802.3af/at
Total PWR / Input Voltage	300W (AC100-240V)
Power Consumption	Standby:<18W,Full load:<300W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 5.0A
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension (L*W*H)	440*290*45mm
Net /Gross Weight	<4.4kg / <5.0kg
Installation	Desktop, 19 inch 1U cabinet
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS

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Warranty	3 years, lifelong maintenance.
Network Management Features	
Interface	Port real-time traffic management (Flow Interval) IEEE802.3X (Full-duplex), Broadcast storm control based on port speed The speed limit of the message flow in the access port. The minimum particle size is 1Gbps.
Layer 3 Features	IPV4 management, L2+ Network management Static route, Default route @ 128 pcs, APR @ 1024 pcs
VLAN	Port configuration of Access, Trunk, Hybrid VLAN based on the protocol, 4K VLAN based on port, IEEE802.1q
Port Aggregation	LACP, Static aggregation Max 14 aggregation groups and 8 ports per group.
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
Multicast	IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out Multicast VLAN
Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based redirection, Flow-based rate limiting Queue Scheduling Algorithm (SP, WRR, SP+WRR) Flow-based packet filtering, 8*Output queues of each port 802.1p/DSCP priority mapping, Diff-Serv QoS, Priority Mark/Remark
ACL	Port-based Issuing ACL, ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc.
Security	Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit User hierarchical management and password protection IP-MAC-VLAN-Port binding, ARP inspection, Anti-DoS attack AAA, MAC learning limit, Mac black holes, IP source protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server
Management	Console/AUX Modem/Telnet/SSH2.0 CLI

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	<p>NTP, System work log, Ping Test, CPU instant utilization status view</p> <p>NMS - Smart Network Management System Platform (LLDP+SNMP)</p> <p>One-key recovery, Cable Diagnose, LLDP, Web Management (HTTPS)</p> <p>Download & Management on FTP, TFTP, Xmodem, SFTP,SNMP V1/V2C/V3</p>
System	<p>Category 5 Ethernet network cable</p> <p>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</p> <p>TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network</p>

Packing List

Packing List	10 Port Gigabit Managed Ethernet PoE Switch (EV-POE33024SFP-L2+)
	Brackets
	User Manual
	Warranty Card

Ordering Information

EV-POE33024SFP-L2+	16*10/100/1000M PoE Port+10*1000M SFP Managed PoE Switch
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