OVERVIEW

The **S2404GP** is a full gigabit L2+ managed PoE fiber switch independently developed by XENTINO. It has 24*10/100/1000Base-T RJ45 ports and 4*100/1000Base-X SFP fiber slot ports. Port 1-24 can support IEEE802.3af/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 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 **S2404GP** 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

◇ All series support "Gigabit Ethernet port and Gigabit SFP port"combination, which enables users to flexibly build networking to meet the needs of various scenarios.
◇ Support non-blocking wire-speed forwarding.
◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

Intelligent Power Supply

◇ 24*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
◇ 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.
◇ PoE network management, realize PoE port power allocation, priority setting, port power status viewing, time scheduling, etc.

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

Strong business processing capability
◇ 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.
◇ IGMP V1/V2 and IGMP Snooping.
◇ STP/RSTP/MSTP.
◇ Static and dynamic aggregation.

Stable and reliable
◇ CCC,CE, FCC, RoHS.
◇ Low power consumption, galvanized steel casing. The fan active cooling.
◇ 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
◇ Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3).
◇ HTTPS, SSLV3, and SSHV1/V2.
◇ RMON, system log, LLDP, and port traffic statistics.
◇ CPU monitoring, memory monitoring, Ping test, and cable diagnose.

TECHNICAL SPECIFICATION

| XENTINO S2404GP	
Interface Characteristics	
Fixed Port	24*10/100/1000Base-T PoE ports (Data/Power) 4*100/1000Base-X uplink SFP slot ports (Data) 1*RS232 console port(115200,N,8,1)
Ethernet Port	Port 1-16/24 support 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 matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/Distance	Multi-mode: 850nm 0 ~ 550M,single-mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Chip Parameter	
Network	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 (Non-blocking)

Forwarding Rate	41.7Mpps (@64byte)
MAC	8K
Buffer Memory	4.1M
Jumbo Frame	10K
LED Indicator	Power: PWR(yellow), System: SYS(yellow), Network: Link/Act(yellow), Fiber port: L/A(green), POE: PoE(green)
Reset Switch	Yes, One-Button factory reset.

PoE & Power Supply		
PoE Port	Port 1 to 24 IEEE802.3af/at @ POE	
PoE Management	Total power limit of PoE power supply PoE output power allocation, 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	400W /(AC100-240V)	600W /(AC100-240V)
Power Consumption	Standby<18W, Full Load<380W	Standby<22W, Full Load<600W
Power Supply	Built-in power supply AC 100~240V 50-60Hz 5.0A	Built-in power supply AC 100~240V 50-60Hz 6.6A

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	440*290*44.5mm (L*W*H)	
Net /Gross Weight	<4.4kg / <5.0kg	<4.6kg / <5.3kg
Installation	Desktop, 19 inch 1U cabinet	

Certification & Warranty	
Lightning Protection / Protection Level	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN60950, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

| **Network Management Features**	
Interface	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. Port Real Time traffic management (Flow Interval)
Layer 3 Features	L2+ Network management IPV4 management Static route, Default route @ 128 pcs, APR @ 1024 pcs

VLAN	4K VLAN based on port, IEEE802.1q VLAN based on the protocol Port configuration of Access, Trunk, Hybrid
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	Diff-Serv QoS,Priority Mark/Remark 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP, WRR, SP+WRR) Flow-based Redirection Flow-based Rate Limiting Flow-based Packet Filtering

Network Management Features	
ACL	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. Port-based Issuing ACL. ACL based on port and VLAN
Security	User hierarchical management and password protection SSH 2.0,SSL,Port isolation,ARP message speed limit Broadcast storm control,Backup for host datum Mac black holes,IP source protection AAA & RADIUS,MAC learning limit ARP inspection,Anti-DoS attack IP-MAC-VLAN-Port binding
DHCP	DHCP Client,DHCP Snooping,DHCP Server
Management	Console/AUX Modem/Telnet/SSH2.0 CLI Web Management (HTTPS) Download & Management on FTP, TFTP, Xmodem, SFTP,SNMP V1/V2C/V3 One-key recovery NTP,System work log,Ping Test Cable Diagnose,LLDP, CPU instant utilization status view Xentino NMS - Smart Network Management System Platform (LLDP+SNMP)
System	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; Category 5 Ethernet network cable TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network

DIMENSION
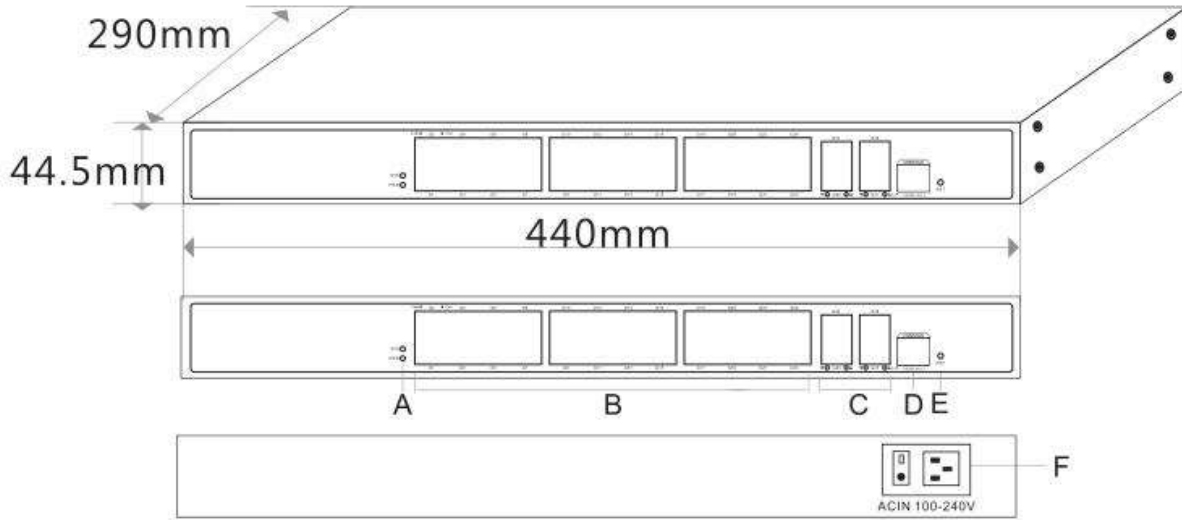
A. Working indicator
B. 24* PoE ports
C. 4*Gigabit SFP ports
D. Console port
E. Reset switch
F. Power Input Port AC100-240V,50/60Hz

APPLICATION
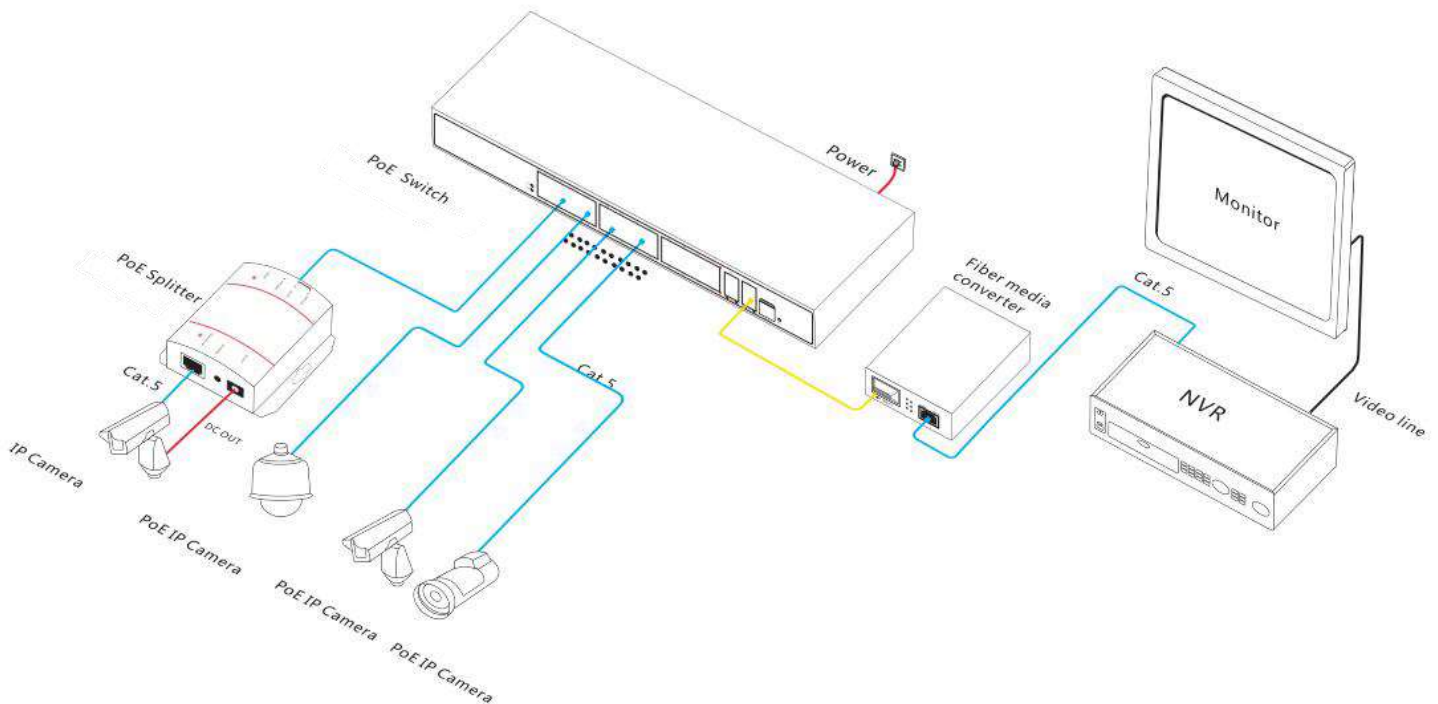
ORDERING INFORMATION

Model	Description
S2404GP	L2+ managed PoE fiber switch with 24* 10/100/1000M RJ45 ports and 4*100/1000M SFP fiber slot ports, Port 1-24 can support IEEE802.3af/at PoE Built-in 400W power supply.
S2404GPat	L2+ managed PoE fiber switch with 24* 10/100/1000M RJ45 ports and 4*100/1000M SFP fiber slot ports, Port 1-24 can support IEEE802.3af/at PoE Built-in 600W power supply.
Note: The SFP optical module is not included by default and needs to be purchased separately.	

PACKAGE CONTENT

QTY	UNIT	CONTENT
1	SET	24Port Gigabit POE 4Port SFP L2+ Managed Switch (400W or 600W)
1	PC	AC Power Cable
1	SET	Mounting Kits(Hanging Ear)
1	PC	User Guide
1	PC	Warranty Card
1	PC	RJ45-DB9 Line