

16GE+2SFP Ports Full Gigabit Managed PoE Switch

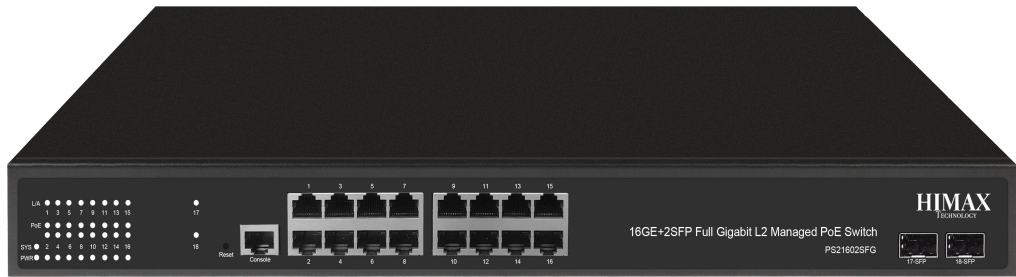
Model: PS21602SFG

Product Introduction

The PS21602SFG series is a gigabit L2+ managed PoE fiber switch. It has 2*100/1000 SFP ports and 16*10/100/1000Base-T POE ports. Port 1-16 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W. 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 PS21602SFG has the L2+ full network management, support IPV4/IPV6 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) 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.

Product Picture



Features:

- ◎ 16GE+2SFP Full Giga 802.3af/at L2 Managed PoE Switch with 16Port PoE
- ◎ Supports PoE power up to 30W for each port
- ◎ Supports PoE IEEE 802.3af/at compliant PDs
- ◎ Internal power adapter supply 250W
- ◎ WEB/CLI managed modes, SNMP bring abundant management features
- ◎ Support QVLAN,QoS and IGMP snooping optimize voice and video application

Specification	
Model	PS21602SFG
Fixed Port	16*10/100/1000Base-T PoE ports (Data/Power)
	2*100/1000Base-X SFP 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 matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multi-mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Network Management	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	56Gbps (Non-blocking)
Forwarding Rate@64byte	26.78Mpps
MAC	8K
Buffer Memory	6M
Jumbo Frame	9.6K
LED Indicator	Power: PWR (green), system: SYS (yellow), network: Link (yellow), fiber port: L/A (green), PoE: PoE (green), rate: Speed (green)
Reset Switch	Yes, One-button factory reset

PoE Port	Port 1 to 16, 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	250W/400W (AC100-160V)	
Power Consumption	Standby<16W, Full Load<160W	
Power Supply	Built-in power supply, AC 100~160V 50-60Hz 4.1A	
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*44.5mm	
Net /Gross Weight	<4.5kg / <5kg	<4.9kg / <5.5kg
Installation	Desktop, 19-inch 1U cabinet	
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.	
Interface	IEEE802.3X (Full-duplex)	
	Port temperature protection setting	
	Port green Ethernet Energy-saving setting	
	Broadcast storm control based on port speed	
	The speed limit of the message flow in the access port.	
	The minimum particle size is 64Kbps.	

Layer 3 Features	L2+ network management,
	IPV4/IPV6 management
	L3 soft routing forwarding,
	Static route, Default route @ 128 pcs, APR @ 1016 pcs
VLAN	4K VLAN based on port, IEEE802.1q
	VLAN based on the protocol
	VLAN based on MAC
	Voice VLAN, QinQ configuration
	Port configuration of Access, Trunk, Hybrid
Port Aggregation	LACP, Static aggregation
	Max 9 aggregation groups and 8 ports per group.
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
Industrial Ring Network Protocol	G.8032 (ERPS), Recovery time less than 20ms
	250 Ring at most, Max 254 devices per ring.
Multicast	MLD Snooping v1/v2, Multicast VLAN
	IGMP Snooping v1/v2, Max 250 multicast groups, Fast log out
Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based Rate Limiting
	Flow-based Packet Filtering
	8*Output queues of each port
	802.1p/DSCP priority mapping
	Diff-Serv QoS, Priority Mark/Remark
	Queue Scheduling Algorithm (SP, WRR, SP+WRR)
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	IP-MAC-VLAN-Port binding
	ARP inspection, Anti-DoS attack
	AAA & RADIUS, MAC learning limit
	Mac black holes, IP source protection
	IEEE802.1X & MAC address authentication
	Broadcast storm control, Backup for host datum
	SSH 2.0, SSL, Port isolation, ARP message speed limit
	User hierarchical management and password protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay
Management	One-key recovery
	Cable Diagnose, LLDP
	Web Management (HTTPS)
	NTP, System work log, Ping Test
	CPU instant utilization status view
	Console/AUX Modem/Telnet/SSH2.0 CLI
	Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3
	NMS - smart network management system platform (LLDP+SNMP)
System	Category 5 Ethernet network cable
	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;
	TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network



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