

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.

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

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|---------------------------|---|
| Model | PS21602SFG |
| Interfaces | |
| 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) |
| Switch Property | |
| 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 |
| | Total power limit of PoE power supply |
| PoE Management | 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) |

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| 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 |
| | 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 |

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| | 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 |
| Certification | |
| Certification | |
| Package Contents | |
| Switch | 1 pcs |
| Power cord | 1 pcs |
| Hanging Ears | 1 pcs |
| Quick installation guide | 1 pcs |

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