18 Port Gigabit PoE Switch

# 【Introduction】

SY-16G2SP is 18 Port Gigabit PoE Switch, using high-quality high-speed network IC and the most stable PoE chip, PoE Port support 802.3af and 802.3at standard both, this series of PoE Switch can be 10/100/1000M Ethernet The network provides a seamless connectionand the PoE power port can automatically detect and p ower the powered devices that comply with the IEEE802.

3af or IEEE802.3at standards. The non-PoE device intelligently detects no power and only transmits data.

PoE is Power over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access APs, network cameras, etc.), but also provides DC power for this device. Technology, these devices that receive DC power are called powered devices.

## 【Main Features】

* 16\*10/100/1000M POE ports +2\* Gigabit SFP Uplink Port；
* Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3ab ,IEEE802.3z IEEE802.3x standards；
* Ethernet port supports 10/100/1000M adaptive；
* Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard；
* Support port auto flip (Auto MDI/MDIX)；
* Automatically supplied to adaptive devices；
* Panel indicator monitoring status and help failure analysis；
* Support for VLAN mode, Default mode and Extend mode；
* 1 U rack installation

## 【Application Environment】

* Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration,etc.
* Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
* Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
* Real-time monitoring: Simultaneous transmission of real-time control signals, images and data

# 【Specifications】

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| **I/O Interface** |
| Power | Input: AC 100-240V, 50/60Hz |
| Ethernet | 16 \*10/100/1000M PoE Port 2\* Gigabit SFP Uplink Port |
| **Performance** |
| Switching Capacity | 36Gbps |
| Throughput | 26.784Mpps |
| Packet Buffer | 4Mb |
| MAC Address | 8K |
| Jumbo Frame | 9.6Kbytes |
| Transfer Mode | Store and forward |
| MTBF | 100000 hour |
| Standard |
| Network protocol | IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab(1000Base-TX) IEEE802.3z(1000Base-FX)IEEE802.3x (Flow control) |
| PoE Protocol | IEEE802.3af （15.4W）IEEE802.3at （30W） |
| Industry Standard | EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT)、EN61000-4-5 (Surge) |
| Network Medium | 10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m) |
| Optical Media | Multimode fiber : 50/125, 62.5/125, 100/140μm Single mode fiber: 8/125, 8.7/125, 9/125, 10/125μm |
| Protection |
| Security Certificate | CE、RoHS |
| Environment |
| Working Environment | Working Temperature：-10~50°C Storage Temperature：-40~70°C |

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|  | Working Humidity ：10%~90%，non-condensing Storage Temperature：5%~90%，non-condensing |
| Indication |
| LED Indicators | PWR（power supply）,1-18 ACT（Link&Data）,1-18 1000M（Link） |
| PWR | Lighting：Powered Un-Light：No Power |
| 1-18 ACT（Link&Data） | Lighting：Connecting Flashing：Data Transmit Un-Light：Disconnect |
| 1-18 1000M（Link） | Lighting：1000M Un-Light：10/100M |
| DIP Switch | VLAN ,Default ,Extend |
| VLAN | Port isolation mode. In this mode, the PoE ports (1-16) of the switch cannot communicate with each other, and can only communicate with the UP-link port. |
| Default | Normal mode, all port can communicate with each other, the transmission distance is within 100 meters |
| Extend | Link extension mode, 9-16 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M |
| Mechanical |
| Structure Size | Product Dimension : 440\*204\*44mm Package Dimension : 500\*290\*85mm N.W：2.73KgG.W：3.30kg |
| Packing Info | Carton MEAS：520\*445\*310mm Packing Qty：5 unitsPacking Weight：17.5KG |
| Power Voltage | Input Voltage ：AC 100-240 V Power supply：52V5.76A |
| Package List | Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc, Brackets 1 pair |
| Ordering Info |
| SY-16G2SP  | 18 Port Gigabit PoE Switch |

## 【Product Picture】





【**Application**】

