10 Port Full Gigabit Intelligent Standard PoE Switch

**【Product Description】**

SY-8G2GP is 10 Port Full Gigabit Intelligent Standard PoE Switch, using high-quality high-speed network IC and the most stable POE chip, POE port meets 802.3af / 802.3at standard, this series of PoE Switch can be 10/100/1000M Ethernet. The network provides a seamless connection, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af / 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 AP, network cameras, etc.), but also provides DC power for the device. Technically, these devices that receive DC power are called powered devices.

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband; it can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, and schools.

**【Main Features】**

* 8\*10/100/1000M PoE Ports +2\*1000M Ethernet Ports;
* Support IEEE 802.3, IEEE 802.3u, IEEE 802.3u, IEEE802.3x standard;
* Ethernet Ports support 10/100/1000M self-adaptive;
* The AI mode is automatically enabled 10M speed for Ports 7-8 in Extend mode;
* Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard;
* Zero configuration feature, automatically supplied to adaptive equipment;
* Panel indicator monitoring status and help failure analysis;
* With DIP switch, support VLAN, Default and Extend modes;
* Support Surge protection: Common mode 4KV; ESD: Air 8KV, Contact 6KV.

# 【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 | AC100-240V50/60Hz |
| Ethernet | 8\* Gigabit PoE Ethernet Ports 2\* Gigabit Uplink Ethernet Port |
| Chipset | 2\*RTL8367S RTL8238B |
| Performance | |
| Bandwidth | 20Gbps |
| Pack forward rate | 14.88Mpps |
| Memory cache | 448Kb |
| MAC address | 2K |
| Jumbo Frame | 9216bytes |
| Transfer mode | Store and forward |
| MTBF | 100000 Hours |
| Standard | |
| Network Protocol | IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab (1000Base-TX)  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) |
| Certificate | |
| Safety Certification | CE, RoHS |
| Environment Standard | |
| Working Environment | Working Temperature: -10~50°C Storage Temperature: -40~70°C  Working Humidity: 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing |
| Indicator | |

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| LED Indicator | PWR (Power)，1-10 Green Light (Link&Data) |
| PWR | On: Powered on Off: Powered off |
| 1-10 Green Light (Link&Data) | On: Link normal Off: Link blocked  Flashing: Data transmitting |
| DIP Switch | **VLAN:** Isolation mode. Ports 1 to 8 are isolated and communicate with the upstream interface. **Default:** common mode, all interfaces can communicate with each other, the transmission distance is less than 100 meters, the transmission rate is 10/100/1000M adaptive; The port AI mode is disabled  **Extend:** Link extension mode, 7-8 ports force 10M, link 250M (enable POE watchdog) |
| Physical Specification | |
| Structure Size | Product Dimension: 220\*161\*44mmm Package Dimension: 315\*215\*85mm N.W: 0.88kg  G.W: 1.38kg |
| Packaging Info | Carton MEAS: 445\*445\*335mm Packing Qty: 10 units  Packing Weight: 14.8KG |
| Power Voltage | Input Voltage: AC 100-240 V 50-60Hz Power Supply: 52V2.3A |
| Power | ＜30W |
| Packaging List | Switch 1 PC, Power cord 1 PC, User manual 1 PC, Certification 1 PC |
| Order Info | |
| SY-8G2GP | 10 Port Gigabit PoE Switch |

# 【Product Picture】

