



PoE Switch with 8*10/100M PoE Ports and Gigabit Combo Port

OP-S8A1C1X



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 05 (Version 2)

Overview

This OP-S8A1C1X switch provides a network point for power supply and data transmission. All the 8 Ethernet ports can be connected with 10/100Mbps quickly, and the uplink port is 8.8Gbps fiber interface, among which 1-8 ports can provide standard IEEE 802.3af power supply. Due the advanced self-sensing algorithm supply power for IEEE802.af terminal unit only, there is no need to worry about damaging proprietary PoE or non-PoE standard equipment. In addition, it will stop power supply when PoE devices are not connected. In short, The OP-S8A1C1X features simple and reliable design, automatic identification PoE requirements, duplex and high-speed.

This cost-effective OP-S8A1C1X provide network layout need to simplify wireless access point (AP) and IP-based surveillance cameras network cameras in order to install in commercial network and home network. The devices far away from power socket are very suitable for hanging on the wall or ceiling. PoE eliminates the need for connecting these devices to power socket. So it make more flexible for those difficult to connect with AC power socket, and cut down the installation cost. It is ideal choice for those want to deploy a small commercial network and home network that use wireless access point (AP) and IP-based surveillance cameras.

Product Features

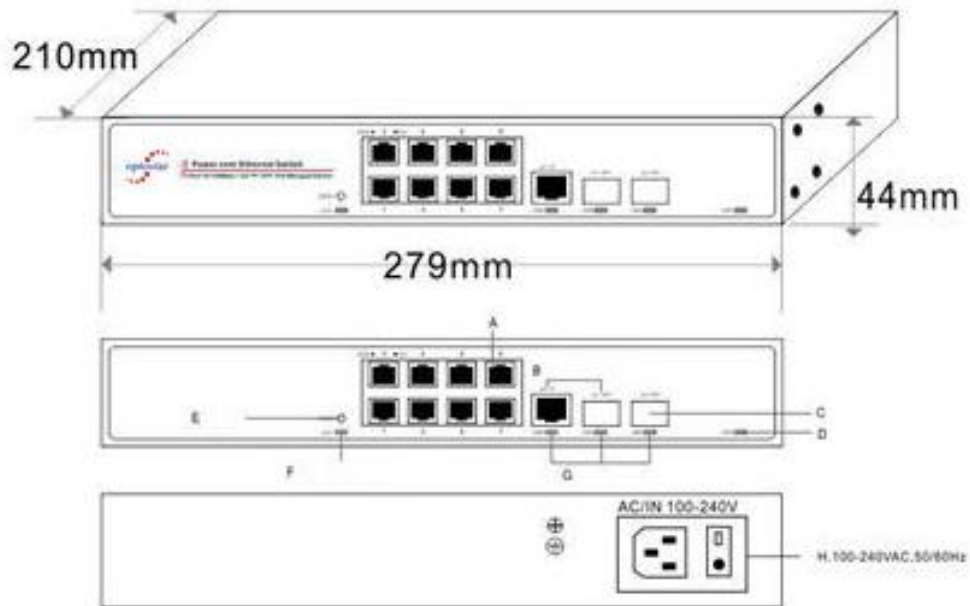
- Can supply power to network surveillance cameras that without PoE function
- 8x 10/100 Mbps auto-sensing RJ45 ports
- Supports port auto-flip (Auto MDI/ MDIX)
- Uplink port: 8.8Gbps LC fiber interface
- Maximum PoE power: 150W (all PoE ports, 1 to 8 ports)
- Maximum power per port: 15.4W
- Adopts store-and-forward architecture
- All ports support wire-speed switching, frame size within the range of 64 to 1536 can achieve wire-speed
- Features with fanless, natural cooling, small, compact and quiet design, suitable for desktop or wall
- Built-in 1U rack power supply series, easy to place it into standard mounting brackets

Technical Parameter

| | |
|--|--|
| Product Name | PoE Switch with Eight 10/100M Ports and Gigabit Combo Port |
| Product Model | OP-S8A1C1X |
| Connector | 8x 10/100M copper cable RJ45 PoE ports(all ports support MDI/MDIX) 1x gigabit optical multiplexing port, 1x optical port |
| Transfer Mode | Store-And-Forward |
| Network Medium | 10BASE-T: Cat3/4/5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP(≤100 meter) |
| | Single mode(9/125um) optical transmission, transmission distance: 25km(double optical default, single optical alternative) |
| Performance Specifications | Bandwidth: 8.8Gbps (non-blocking) Network Latency (100 to 100M bps): maximum delay less than 20 microseconds Packet Buffer Memory: 96KB Address Database Size: 8K MTBF: 190,000 hours (about 21 years) |
| Network Protocols and Standards | IEEE 802.3i 10BASET; IEEE 802.3u 100BASETX; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI; IEEE 802.3af |
| LEDs Status | System: power supply; Every Port: connecting, PoE working status |
| Power | Maximum PoE switch power:150 W PoE port power:15.4 W(1~8 port) Power input: AC100-240V 50/60Hz; (every country use a custom power plug) |
| Dimensions/Weight | Dimensions: 279x210x44mm Weight: 1.61kg |
| Working Environment | Operating Temperature: 0 ° ~ 55 ° C; Storage Temperature: -20 ° ~ 75 ° C; Humidity: 10% ~ 90%, non-condensing; Storage Humidity: 10% ~ 95%, non-condensing; Working Altitude: 3000 m (10,000 ft); Storage Altitude: 3,000 m (10,000 ft) |
| Radiation | CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55022 (CISPR 22), Class B |

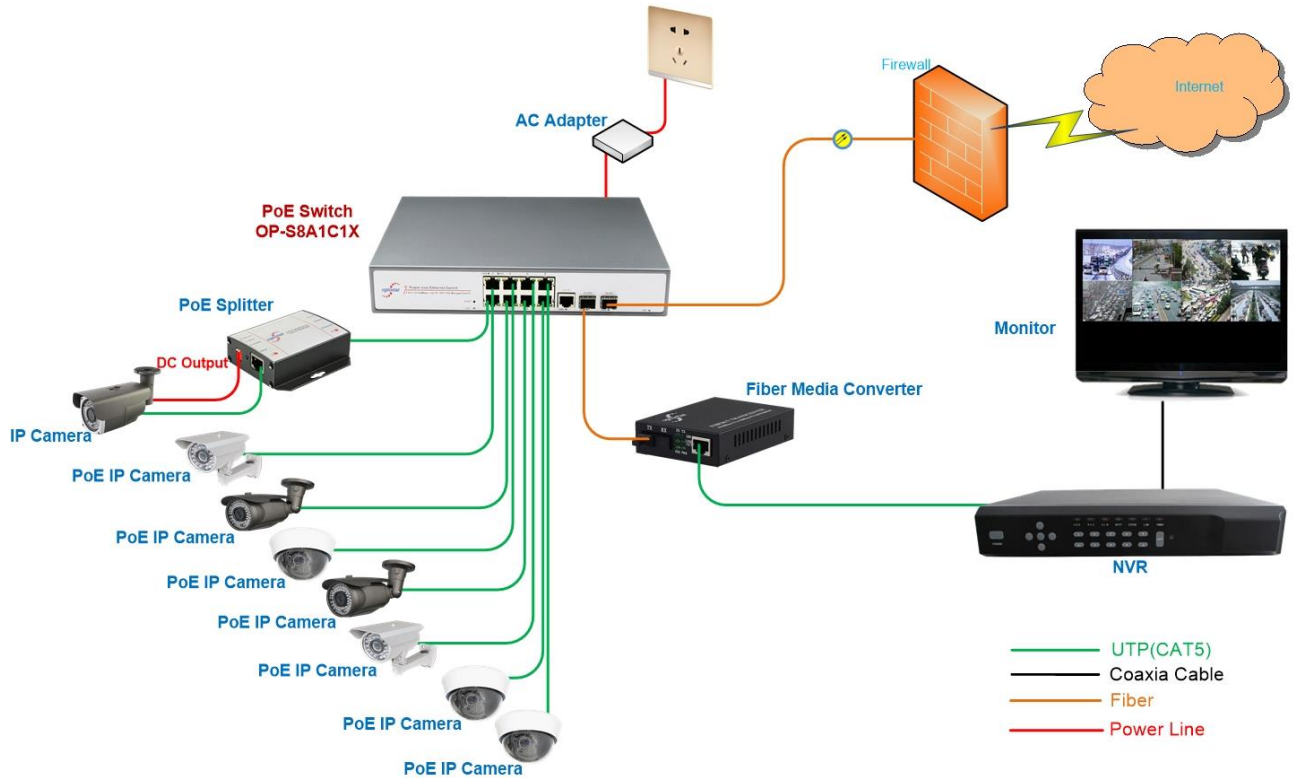
| | |
|-----------------|--|
| Safety | CE Mark ,commercial CE/LVD EN60950 |
| Warranty | 1 year warranty(3 years for power adapter) |

Product Size



- A. PoE Power Port
- B Uplink Gigabit Optical Multiplexing Port
- C. Uplink Gigabit SFP Optical Port
- D. Power Indicator Light
- E. Reset
- F. System Indicator Light
- G. Link Indicator Light
- H. 100-240V AC, 50/60Hz

Application

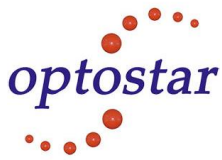


Order Information

| Model | Description |
|---|---|
| OP-S8A1C1X | 8*10/100M ports + 1x gigabit electrical optical combo port+ 1x gigabit optical port PoE switch, and 1-8 ports supports POE / IEEE 802.3af international standard, each port power is 15.4W, whole power is 150W |
| Notes: PoE default power supply is end-span (1/2, 3/6 line pair), alternative PoE Power supply is mid-span(4/5, 7/8 line pair) | |

Package include

| No | Package List |
|----|---|
| 1 | PoE Switch with Eight 10/100M PoE Ports and Gigabit Combo Port (OP-S8A1C1X) |
| 2 | Power Adapter |
| 3 | User Guide |
| 4 | Warranty Card |



Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn