



## 6-Port Gigabit PoE Switch with 4 Gigabit PoE Ports

OP-S4E2G-AT



Shenzhen Optostar Optoelectronics Co., Ltd

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## Overview

The built-in two Gigabit uplink ports provide fast connection to servers or the backplane of the gigabit speed. The effective connectivity of the four 10/100/1000Mbps ports, allows growing business networks, classrooms and workgroups to obtain benefits from the demand for superior performance and sustain network expansion. This high-performance switch features with non-blocking, wire-speed switching, and 8.8Gbps switching capacity. All RJ45 ports can auto adjust the highest connection speed for a normal working.

This cost-effective OP-S4E2G-AT 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.

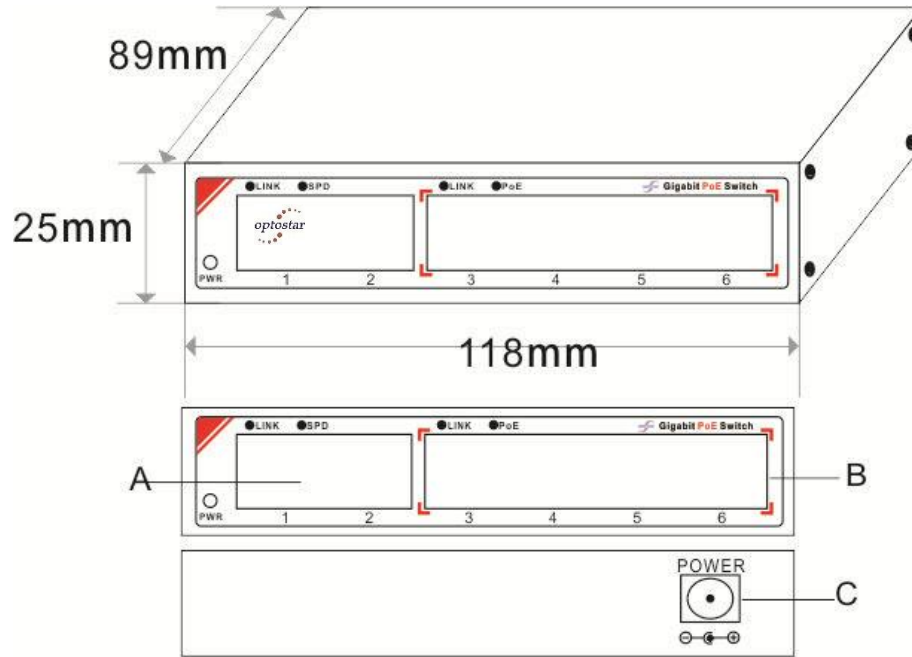
## Product Features

- Supply power to 5 classes Ethernet wireless access point (AP) and network surveillance cameras
- Port 3 to port 6 compatible with IEEE802.3at standard power supply (Maximum power of each port is 25.5W)
- 4x 10/100 /1000Mbps automatic adjustment RJ45 ports
- Meets the standards of the IEEE 802.3 /IEEE 802.3u/IEEE802.3z and IEEE 802.3ab
- Flow Control Type: Full duplex adopts IEEE 802.3x standard, half duplex adopts back pressure standard
- Auto-flip ports (Auto MDI/MDIX)
- Network port has lightning-proof function (AC power port:differential mode +/-2kV, common mode +/-4kV)
- Maximum PoE Power: 120W (all PoE ports, port 3 to port 6)
- Store-and-forward architecture, 192K forwarding memory
- All ports support wire-speed switching, frame size within the range of 64 to 1536 can achieve wire-speed
- Wall-mounted design, easy to install and use
- Automatic adjustment, plug and play, no need software and protocol conversion

**Technical Parameter**

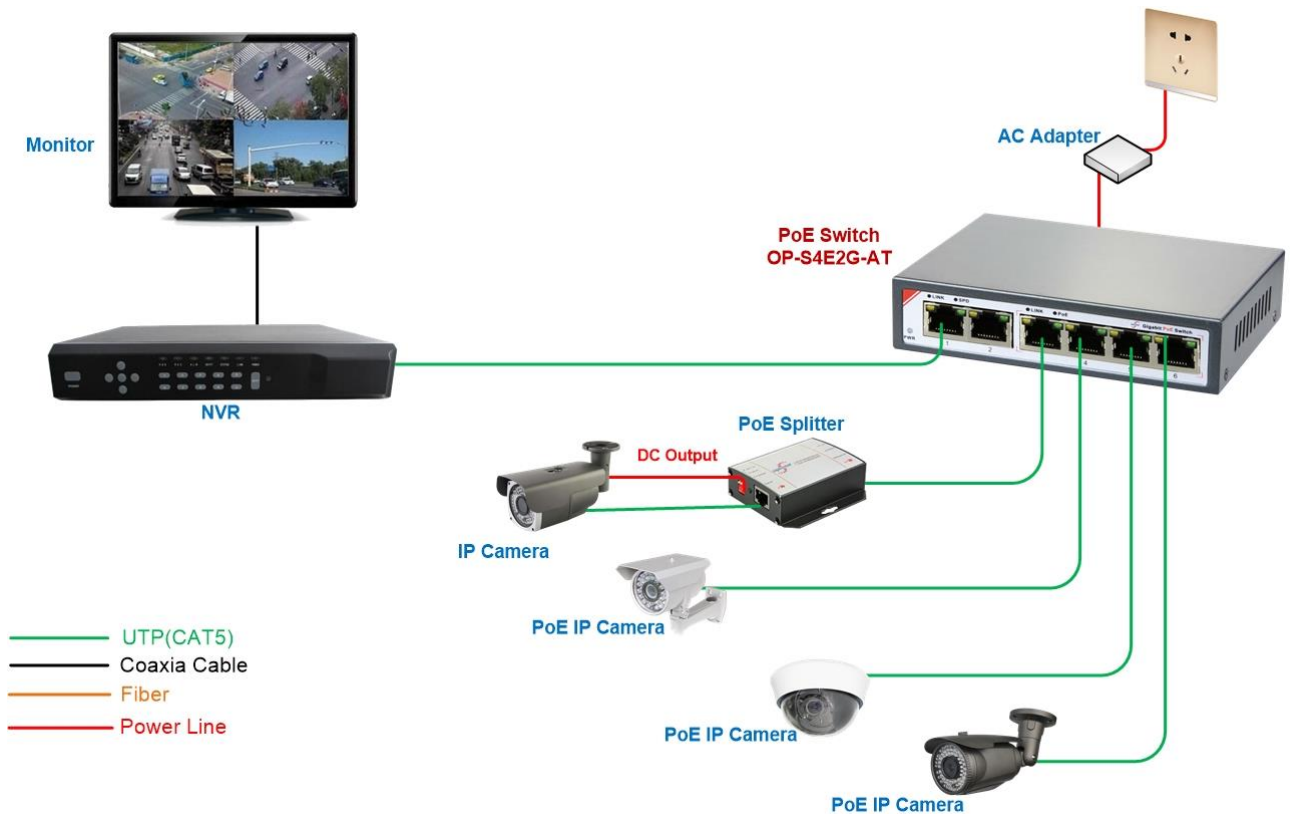
<b>Product Name</b>	6 Ports PoE Switch with 2 Gigabit Uplink Ports and 4 Gigabit PoE Ports
<b>Product Model</b>	OP-S4E2G-AT
<b>Connector Type</b>	4x 10/100/1000M copper cable RJ45 PoE ports(All ports support MDI/MDIX automatic adjustment), 2x 10/100/1000M Uplink Ports
<b>Forwarding Mode</b>	Store-and-forward architecture, 192K forwarding memory
<b>Network Medium</b>	10BASE-T: Cat3, 4, 5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP(≤100 meter) 1000BASE-TX: Cat5 or more UTP(≤100 meter)
<b>Performance Specifications</b>	Bandwidth: 8.8Gbps (non-blocking) Network Latency (100 to 100M bps): Maximum delay less than 20μs Packet Buffer Memory: 96KB Address Database Size: 1,000 MTBF: 190,000 hours (about 21 years)
<b>Network Protocols and Standards</b>	IEEE 802.3; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI IEEE 802.3at
<b>LED Indicator Status</b>	System: Power Every Port: connection status, PoE working status
<b>Power</b>	IEEE 802.3at international standard, each PoE port power is 25.5W, the whole PoE power is 120W(Port3 to Port6)
<b>Dimension</b>	LxWxH: 118 x 89 x 25mm
<b>Working Environment</b>	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)
<b>Radiation</b>	CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55022 (CISPR 22), Class B
<b>Safety</b>	CE Mark ,commercial CE/LVD EN60950
<b>Warranty</b>	1 year warranty

Product Size



A. 2x Uplink B. 4x Gigabit PoE Ports C. DC48V Power Input

Application



### Order Information

Model	Description
OP-S4E2G-AT	4x Gigabit PoE ports+2x Gigabit Uplink ports PoE switch, among which port 3 to port 6 supports POE IEEE 802.3at international standard, each port power is 25.5W, the whole power is 120W. Switch power adapter is external.
<b>Note</b> :Default PoE power supply type is end-span (12, 36 line pair), mid-span(45, 78 line pair) optional	

### Package include

No	Package List
1	6 Ports PoE Switch with 4 Gigabit AT PoE Ports (OP-S4E2G-AT)
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.

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