



## PoE Switch with 16x PoE Ports 2x Gigabit Combo Ports

OP-S16A2CB



Shenzhen Optostar Optoelectronics Co., Ltd

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## Overview

This OP-S16A2CB switch provides a network point for power supply and data transmission. All the 16 PoE ports can be connected with 10/100Mbps quickly, and the uplink port is 1.25Gbps fiber interface, among which 1-16 ports can provide standard IEEE802.3af power supply. Due the advanced self-sensing algorithm supply power for IEEE802.3af 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-S16A2CB features simple and reliable design, automatic identification PoE requirements, duplex and high-speed.

This cost-effective OP-S16A2CB 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

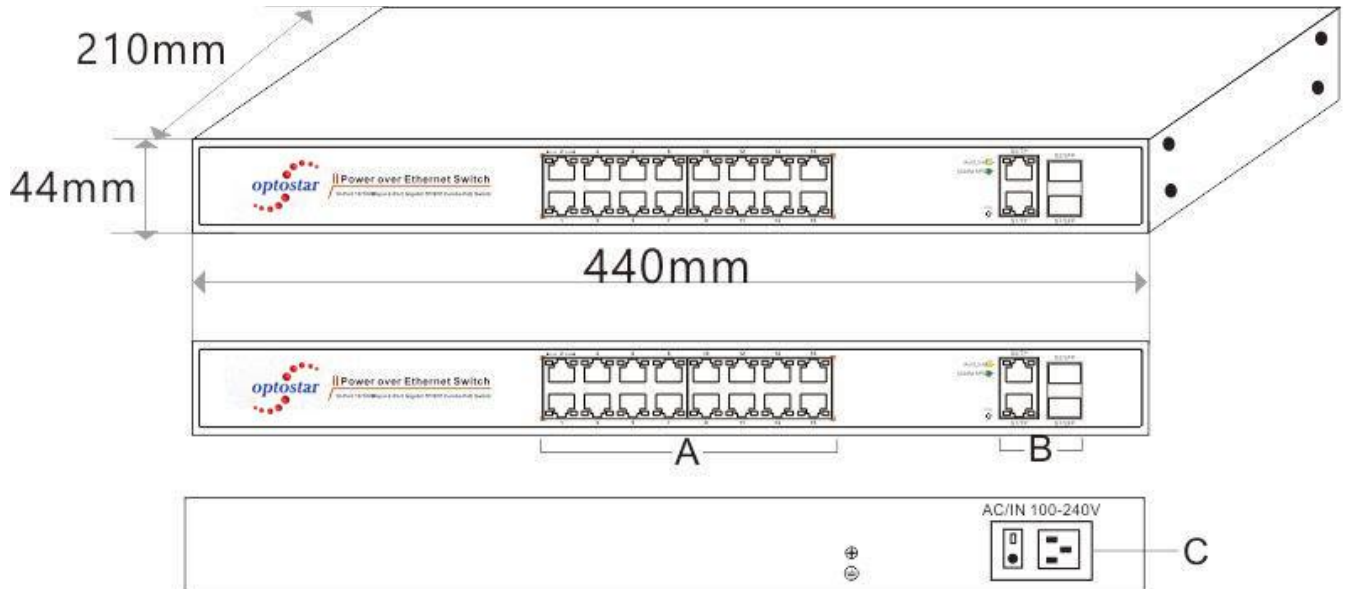
- Can supply power to network surveillance cameras that without PoE function
- 16x 10/100Mbps auto-sensing RJ45 ports, 2x Gigabit combo ports
- Supports port auto-flip (Auto MDI/ MDIX)
- Uplink port: 1.25Gbps SFP interface
- Maximum PoE ports power: 250W (Port 1 to Port 16)
- Maximum power of single PoE port: 30W
- Adopts store-and-forward architecture
- IEEE 802.3af power on up to 16 ports
- 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**

<b>Product Name</b>	PoE Switch with 16x PoE Ports 2x Gigabit Combo Ports
<b>Product Model</b>	OP-S16A2CB
<b>Connector</b>	16x 10/100M copper cable RJ45 ports(all ports support MDI/MDIX) 2x gigabit combo ports
<b>Transfer Mode</b>	Store-And-Forward
<b>Network Medium</b>	10BASE-T: Cat3,4,5 UTP(≤100 meter)
	100BASE-TX: 5 classes and more than 5 classes(≤100 meter) Single mode(9/125um) optical transmission, transmission distance:25km(double optical default, single optical alternative)
<b>Performance Specifications</b>	Bandwidth: 8.8Gbps (non-blocking) Network Latency (100 to 100M bps): maximum delay less than 20 microseconds Packet Buffer Memory: 2.75M Forwarding Rate: 2.68Mpps Address Database Size: 4K MTBF: 100,000 hours
<b>Network Protocols and Standards</b>	IEEE 802.3i 10BASET IEEE 802.3u 100BASETX IEEE 802.3x Flow Control IEEE 802.3af DTE Power via MDI IEEE 802.3af
<b>LEDs Status</b>	System: power supply Every Port: connecting, PoE working status
<b>Power</b>	Maximum PoE power:250 W PoE port power:15.4 W(1~16 port) Max PoE power for each port is 30W. Power input: AC100-240V 50/60Hz; (every country use a custom power plug)
<b>Dimensions/Weight</b>	Dimensions(LxWxH): 440 * 210 * 44mm, 2.85kg
<b>Working Environment</b>	Operating Temperature: -20 ° ~ 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

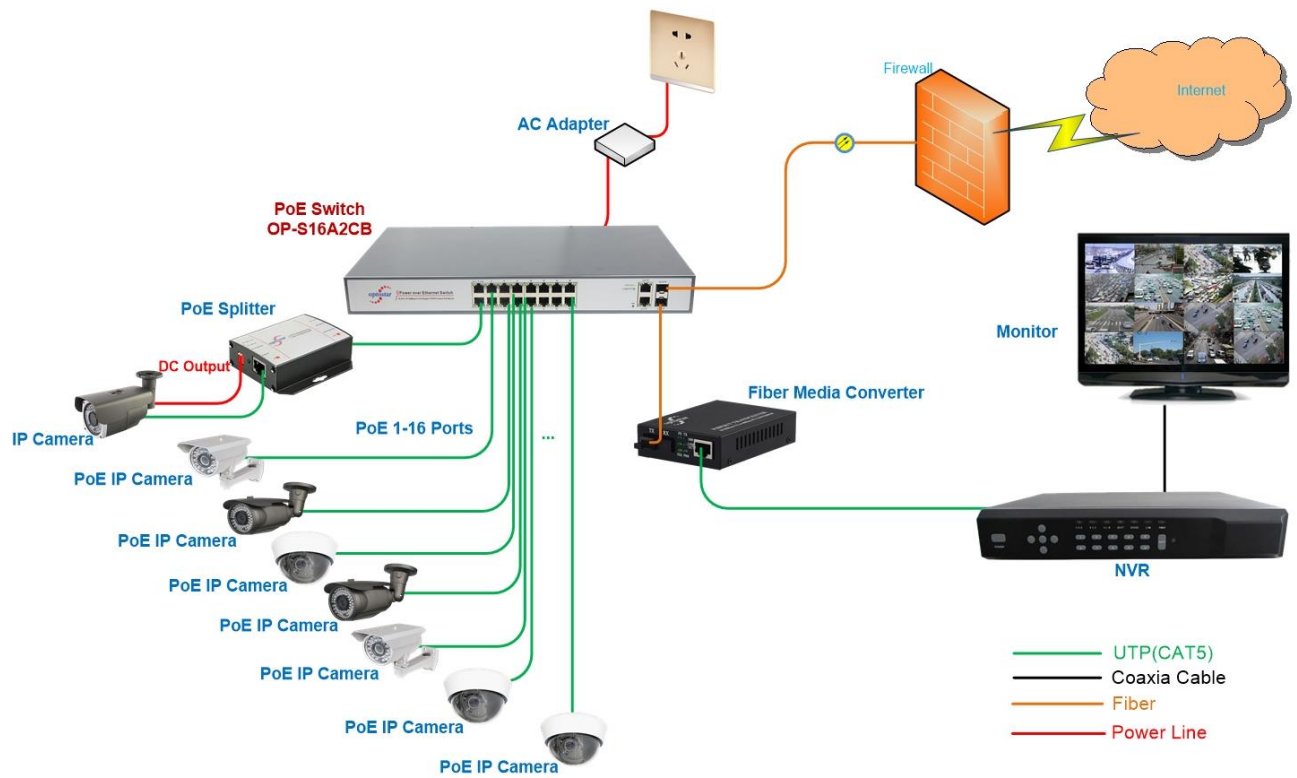
<b>Safety</b>	CE Mark ,commercial CE/LVD EN60950, RoHS
<b>Warranty</b>	1 year warranty(2 yeas warranty for power adapter)

**Product Size**



- A. 16 \* PoE Ports
- B. 2 Sets of Combo Port
- C. 100-240VAC, 50/60Hz

**Application**



**Order Information**

Model	Description
OP-S16A2CB	16x 10/100M Ethernet PoE ports + 2x gigabit combo ports PoE switch, and 1-16 ports supports IEEE802.3af/at, Max PoE power for each port is 30W, whole power is 250W
<b>Notes:</b> 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 16 PoE Ports and 2 Gigabit Combo Ports (OP-S16A2CB)
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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## 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](mailto:info@optostar.com.cn)

Skype:ouyangroya

Web: [www.optostar.com.cn](http://www.optostar.com.cn)