High Power PoE Switch with 16x PoE Ports and 2x Gigabit Combo Ports

OP-S16A2CB-AT

Shenzhen Optostar Optoelectronics Co., Ltd

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Overview

This OP-S16A2CB-AT switch provides a network point for power supply and data transmission. All the 16 Ethernet ports can be connected with 10/100Mps quickly, and the uplink port is 155Mbps fiber interface, among which 1-16 ports can provide standard IEEE802.3af/at power supply. Due the advanced self-sensing algorithm supply power for IEEE802.3af/at terminal unit, 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.

This cost-effective OP-S16A2CB-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.
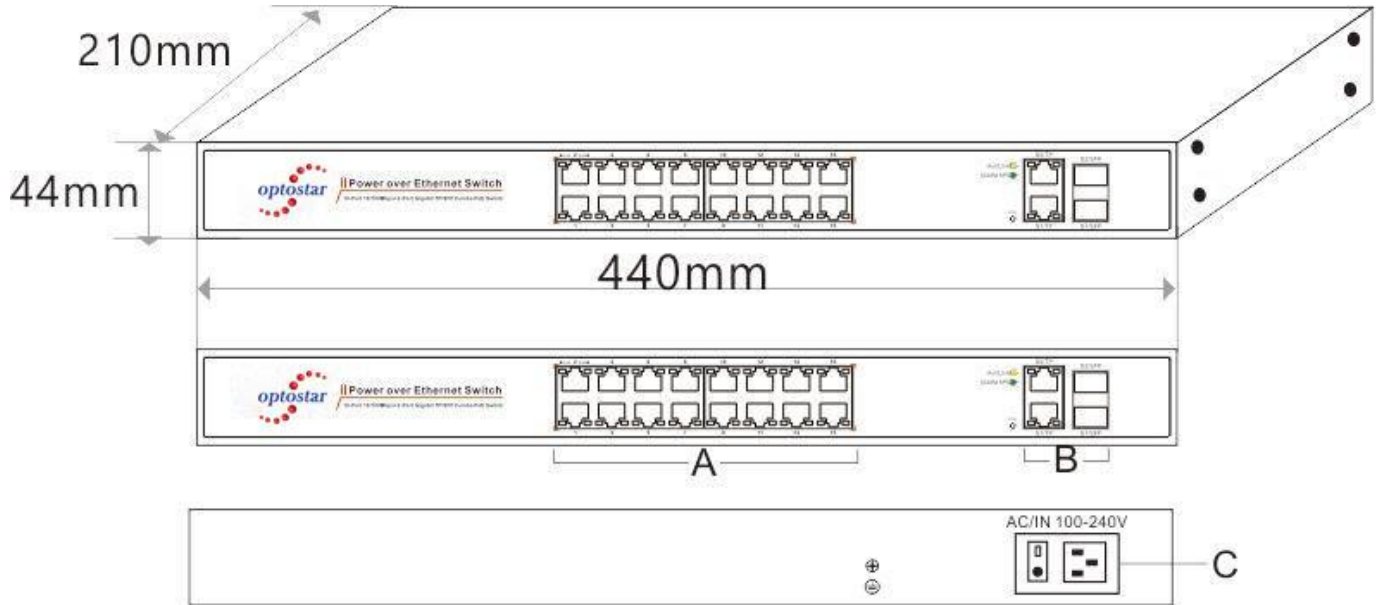
Prduct Features

➢ 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:400W (Port 1 to Port 16)

➢ Maximum power of single PoE port: 30W

➢ Adopts store-and-forward architecture

➢ IEEE 802.3at 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
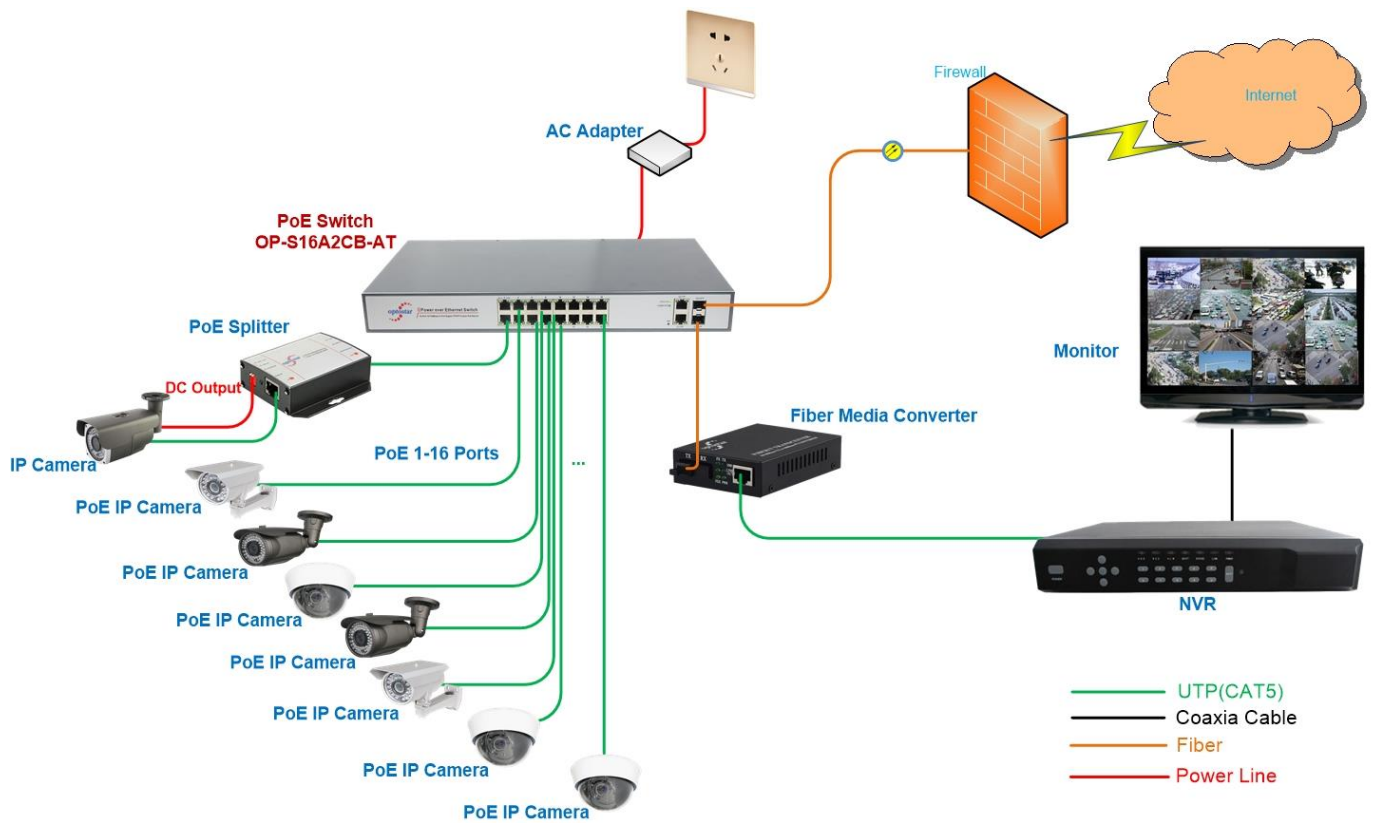
Technical Parameter

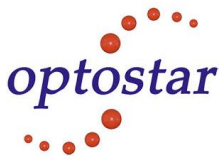|	
Product Name	High Power PoE Switch with 16x PoE Ports and 2x Gigabit Combo Ports
Product Model	OP-S16A2CB-AT
Connector	16x 10/100M copper cable RJ45 ports(all ports support MDI/MDIX) 2x gigabit combo ports
Transfer Mode	Store-And-Forward
Network Medium	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: 5 classes and more than 5 classes(≤100 meter) Single mode(9/125um) optical transmission, transmission distance:25km(double optical default, single optical alternative)
Performance Specifications	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
Network Protocols and Standards	IEEE 802.3i 10BASET IEEE 802.3u 100BASETX IEEE 802.3x Flow Control IEEE 802.3af DTE Power via MDI IEEE 802.3af/at
LEDs Status	System: power supply Every Port: connecting, PoE working status
Power	Maximum PoE power: 400W PoE port power: 30W(1~16 port) Power input: AC100-240V 50/60Hz; (every country use a custom power plug)
Dimensions/Weight	Dimensions(LxWxH): 440 * 210 * 44mm, 2.85kg
Working Environment	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)
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, RoHS
Warranty	1 year warranty(3 yeas warranty for power adapter)

Product Size

210mm

44mm

440mm

A

B

AC/IN 100-240V

C

A. 16 * PoE Ports   B. 2 Sets of Combo Port

C. 100-240VAC, 50/60Hz

Application

AC Adapter

Firewall

Internet

PoE Switch
OP-S16A2CB-AT

PoE Splitter

DC Output

Monitor

IP Camera

PoE 1-16 Ports

Fiber Media Converter

PoE IP Camera

PoE IP Camera

PoE IP Camera

NVR

PoE IP Camera

PoE IP Camera

PoE IP Camera

PoE IP Camera

UTP(CAT5)
Coaxia Cable
Fiber
Power Line

Order Information

Model	Description
OP-S16A2CB-AT	16x10/100M PoE ports + 2x gigabit electrical and SPF fiber combo ports PoE switch, and 1-16 ports supports IEEE802.3af/at; Max PoE power for each por is 30W, total power is 400W.
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	High Power PoE Switch with 16x PoE Ports and 2x Gigabit Combo Ports (OP-S16A2CB-AT)
2	Power Adapter
3	User Guide
4	Warranty Card
5	Mounting Kits

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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