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26-Port PoE Switch with 24 PoE Ports and

2 Gigabit Combo Ports

OP-S24A2C

Overview

This OP-S24A2C switch provides a network point for power supply and data transmission. All the 24 PoE ports can be connected with 10/100Mps quickly, and the uplink port is 1.25Gbps fiber interface, among which 1-24 ports can provide standard IEEE802.3af power supply. Due the advanced self-sensing algorithm supply power for IEEE802af 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-S24A2C features simple and reliable design, automatic identification PoE requirements, duplex and high-speed.

This cost-effective OP-S24A2C 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.
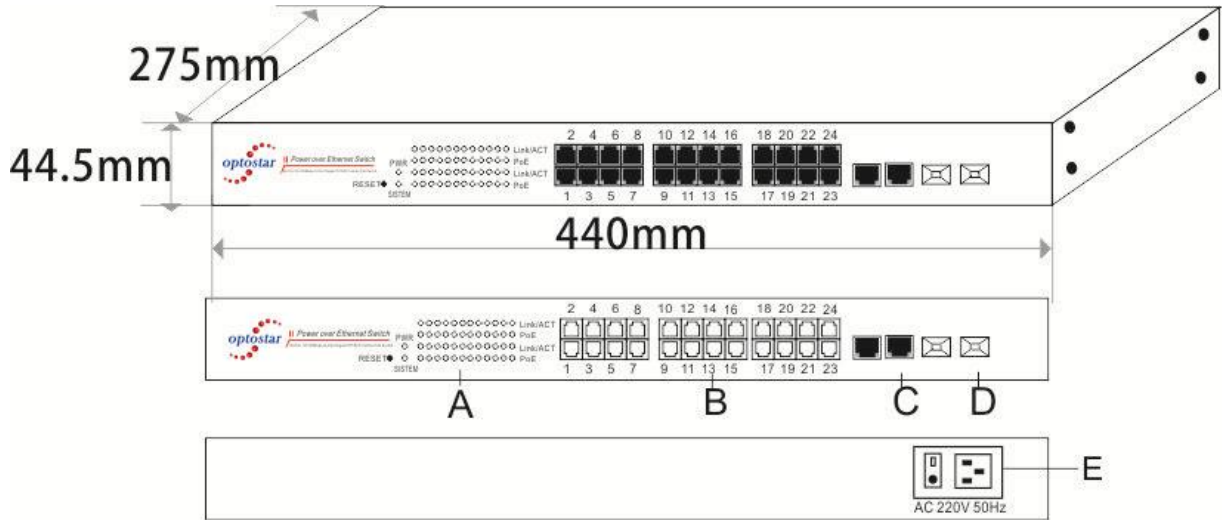
Prduct Features

➢ Can supply power to network surveillance cameras that without PoE function

➢ 24x100Mbps auto-sensing RJ45 ports, 2x10/100/1000M combo ports

➢ Supports port auto-flip (Auto MDI/ MDIX)

➢ Uplink port: 1.25Gbps SFP fiber interface

➢ Maximum PoE power: 440W (Port 1 to 24 Port)

➢ Maximum power per port: 15.4W

➢ Adopts store-and-forward architecture

➢ IEEE 802.3af power on up to 24 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

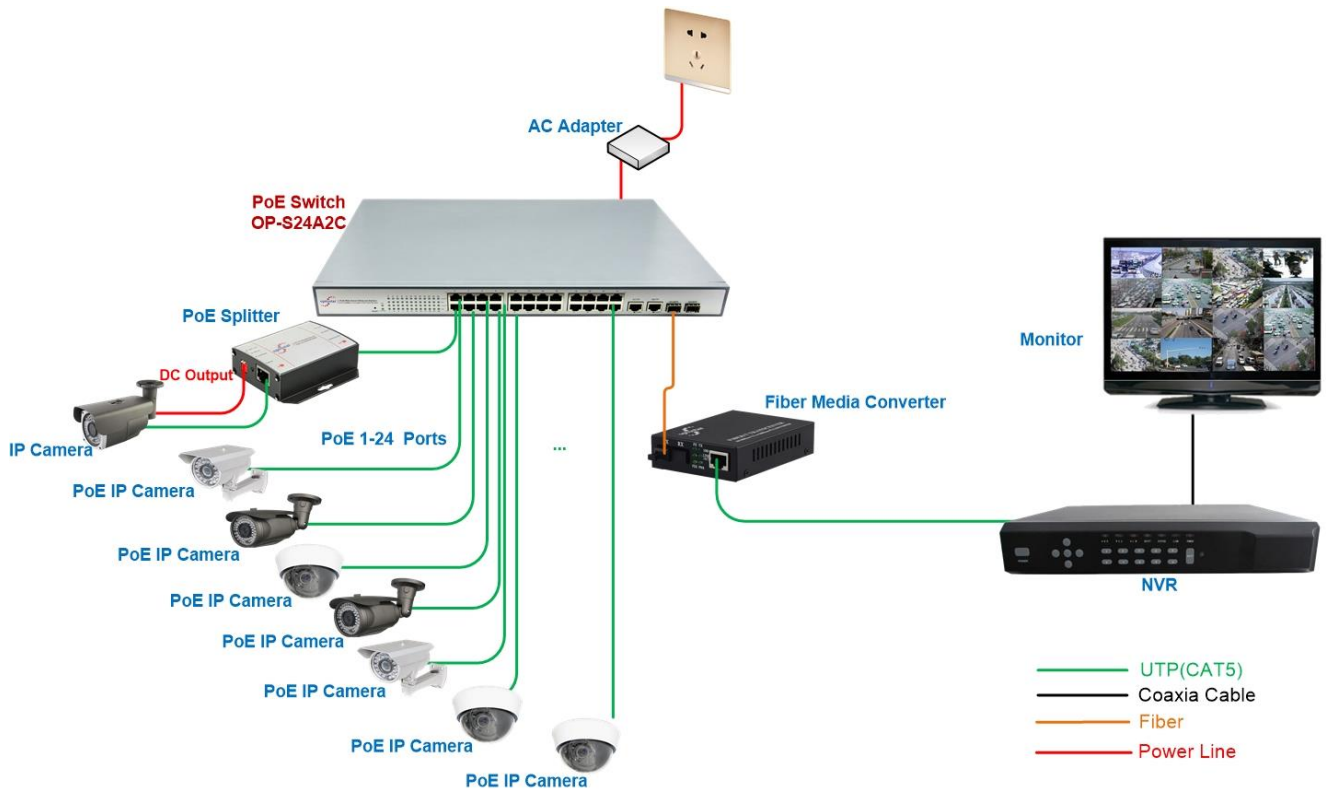Shenzhen Optostar Optoelectronics Co., Ltd.
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1

Technical Parameter

Product Name	PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports
Product Model	OP-S24A2C
Connector	24x 10/100M copper cable RJ45 ports(all ports support MDI/MDIX) 2x 10/100/1000M combo ports
Transfer Mode	Store-And-Forward
Network Medium	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 and 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: 2.75M Address Database Size: 1,000 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 power:440 W PoE port power:15.4 W(1～24 port) Power input: AC100-240V 50/60Hz; (every country use a custom power plug)
Dimensions/Weight	Dimensions: 440x275x44.5mm; Weight:4.878kg
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

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2

Product Size

275mm

44.5mm

440mm

2 4 6 8 10 12 14 16 18 20 22 24

1 3 5 7 9 11 13 15 17 19 21 23

A

B

C

D

AC 220V 50Hz

E

A. Working LED indicator

B. 24x PoE Ports

C/D. 2 Gigabit TP/SFP Combo Uplink Ports

E. 100-240VAC,50/60Hz Input

Application

AC Adapter

PoE Switch
OP-S24A2C

PoE Splitter

DC Output

IP Camera

PoE IP Camera

PoE IP Camera

PoE IP Camera

PoE IP Camera

PoE IP Camera

PoE IP Camera

PoE 1-24 Ports

Fiber Media Converter

Monitor

NVR

UTP(CAT5)
Coaxia Cable
Fiber
Power Line

Order Information

Model	Description
OP-S24A2C	24x 10/100M Ethernet PoE ports + 2x gigabit combo ports PoE switch, and 1-24 ports supports IEEE802.3af POE international standard, each port power is15.4W, whole power is 440W
Notes: The even number port is end-span (1/2+, 3/6- line pair) power supply, the odd number port is mid-span(4/5+, 7/8- line pair) power supply	

Package include

No	Package List
1	PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports (OP-S24A2C)
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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4