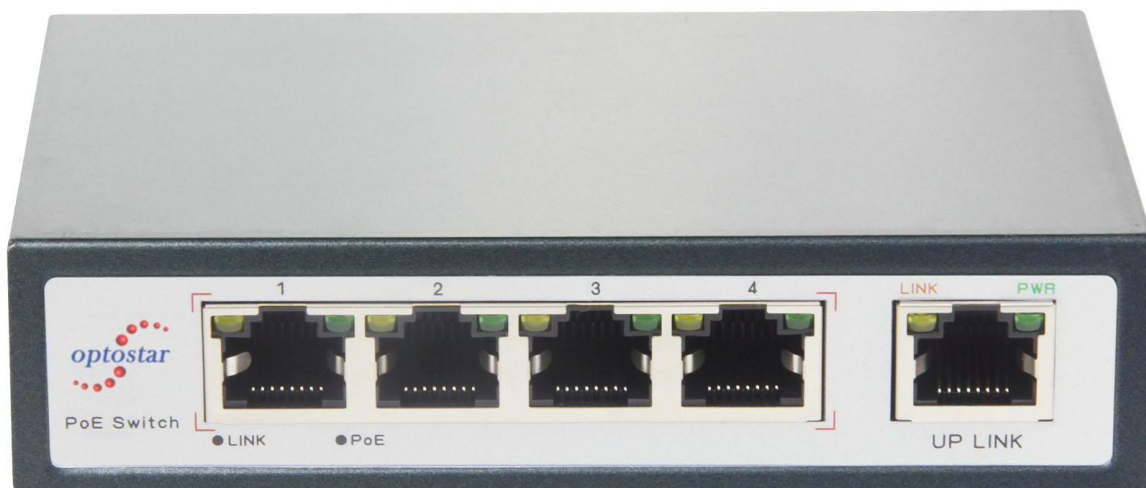




5-Port 10/100Mps Long Transmission PoE Switch

OP-S4A1F-L



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 05 (Version 2)

Overview

The OP-S4A1F-L switch provides power and data transmission from a network node through Cat.5e/6 cables. 5 ports could fast connect with 10/100Mbps, 4 ports among them could supply power at the standard of IEEE802.3af/at. With the auto-sensing function, it could supply power to PD device (IEEE802.3af/at standard). What's more, if the PoE device disconnected, it would stop supplying power. The switch features simple and reliable design, automatic identification of PoE supply voltage and power, speed, full duplex and AutoUplink cable type.

This cost-effective switch provides network layout which need to simplify wireless access point (AP) and IP-based surveillance network cameras to install in commercial network and home network. It is the ideal networking solution for work-groups and intelligent community fiber access. These devices away from electrical outlets are very suitable for hanging on the wall or ceiling. PoE eliminates the hassle for these devices, specially the electrical outlets. Connect the AC power connection to make those difficult device more flexible, and the installation cost minimization.

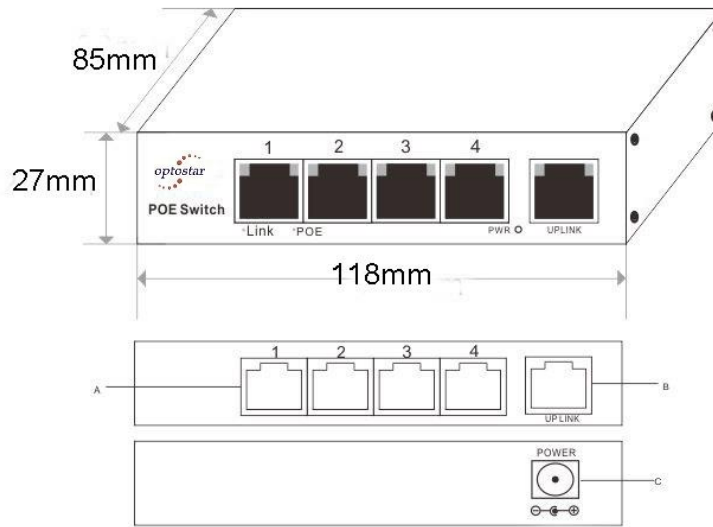
Product Features

- Supply power to wireless AP and IP Camera through CAT 5e/6 cable
- 5 * 10/100 Mbps auto-sensing RJ45 Ports, 1-4 port support PoE, meeting the standard of IEEE802.3af/at
- Long Transmission Distance: 250 meters.
- Support VLAN function
- Flow Control: Full duplex based on IEEE802.3x, Half duplex based on Back Pressure
- Support port auto-flip (Auto MDI/ MDIX)
- Anti-thunder function for Uplink port (port 5), which is reaching level 2
- Total PoE Power: 65W (Port 1 - 4)
- Max PoE power for each port: 30W
- Adopts store-and-forward method
- All ports support line-speed switching (Frame size at the ranges of 64-1536)
- No fan design, natural cooling feature.

Technical Parameter

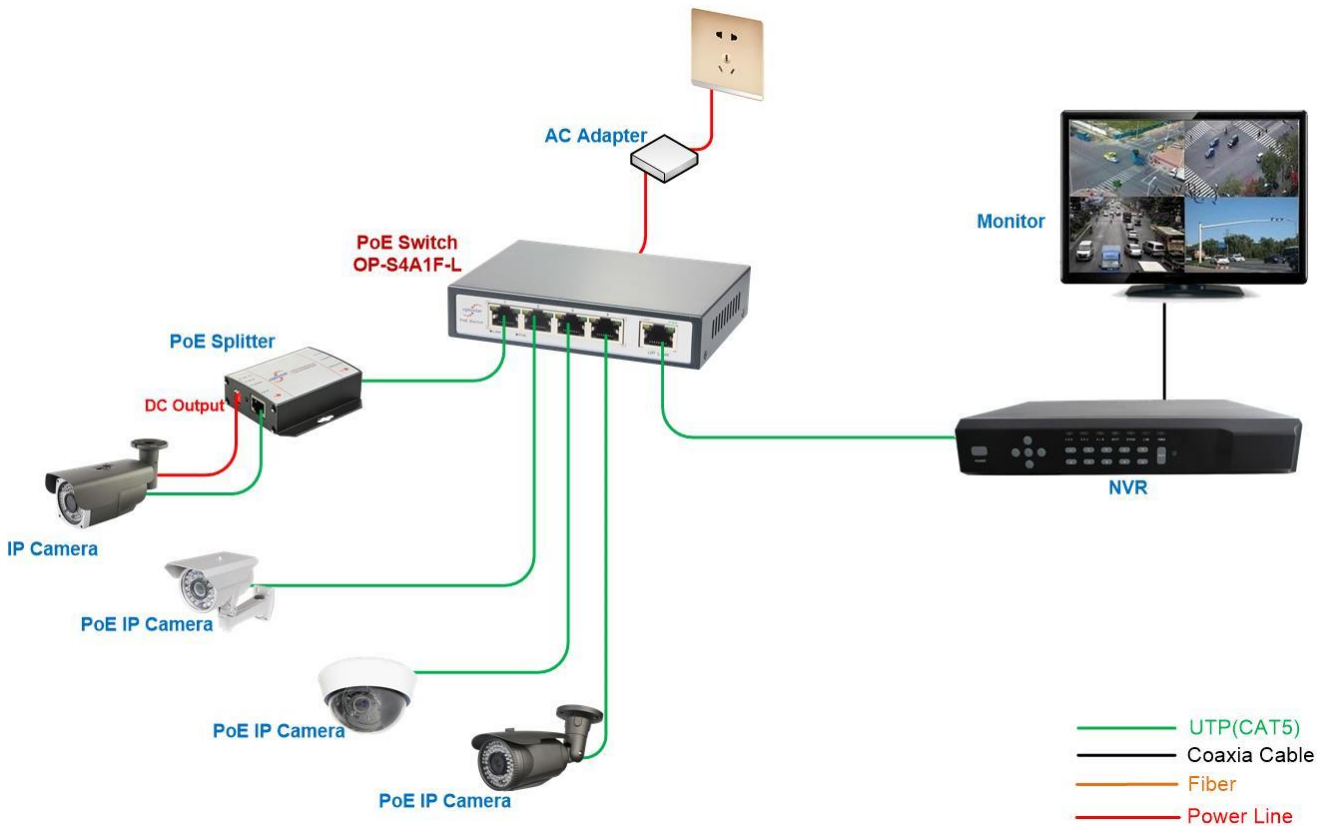
Item	Description
Product Name	10/100M 5-Port Long Transmission Distance PoE Switch
Product Model	OP-S4A1F-L
Connector	4 * 10/100M RJ45 PoE Ports + 1 * 10/100M RJ45 Uplink Port
Transfer Mode	Store-and-forward, Buffer Forwarding Rate: 0.74Mpps
Network Medium	10BASE-T: Cat3,4,5 UTP(≤100 meters); 100BASE-TX: Cat5/5e/6 UTP(≤100 meters);
Transmission Distance	100meters
	Under Mode 2, the transmission distance could be 250 meters for 10M port.
Performance Specification	Bandwidth: 1.2Gbps (Non-blocking) Network Latency (100 to 100M bps): maximum delay less than 20 microseconds Buffer Memory: 384K MAC Size: 2K MTBF: 100,000 hours
Switch Mode Definition	Mode 1: Disable all function. Mode 2: Enable the long transmission distance at 250 meters for all 10M ports (1-4 port) . Mode 3: Enable VLAN for all 100M ports (1-4 port) .
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 802.3at
LEDs Status	SYS: PWR EACH PORT: Connect, PoE Status
Power	Power Input: DC52V 1.25A Total power: 65W
Dimension/ Weight	118 * 89 * 27mm / 0.24kg
Working Environment	Operating Temperature: -20 ° ~ 55 ° C; Storage Temperature: -40 ° ~ 75 ° C; Humidity: 10% ~ 90%, non-condensing; Storage Humidity: 5% ~ 90%, 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

Product Size



- A. 4x PoE Power Supply Port
- B. Uplink Port
- C. DC 48V Input

Application





Order Information

Model	Description
OP-S4A1F-L	5-Port 10/100M Long Transmission Distance PoE Switch. 4 PoE ports,10/100M. PoE standard IEEE802.3af/at. Total power is 65W. The transmission distance is 250 meters. Support VLAN function.

Package include

No	Package List
1	10/100M 5-Port Long Transmission Distance PoE Switch (OP-S4A1F-L)
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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