



## Gigabit 10-port PoE switch

OP-S8E2X



Shenzhen Optostar Optoelectronics Co., Ltd

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## Overview

OP-S8E2X PoE switch comes with 8x 10/100/1000Base-T RJ45 Ethernet ports, and 2x gigabit SFP slots. It can supply power to network equipment such as weather-proof IP cameras with windshield wiper and heater, high-performance AP and IP telephone. This PoE switch are highly flexible, the transmission distance of the SFP fiber port can be up to 120km, and with high resistance to electromagnetic interference.

OP-S8E2X product components were rigorous screened, have superior performance in stability, environmental adaptability. Metal shells have better resistance ability to corrosion and electromagnetic interference, ensure stability and security of this Ethernet Switch. Power input also chooses a suitable and reliable types of power, to get more powerful suitability to environment.

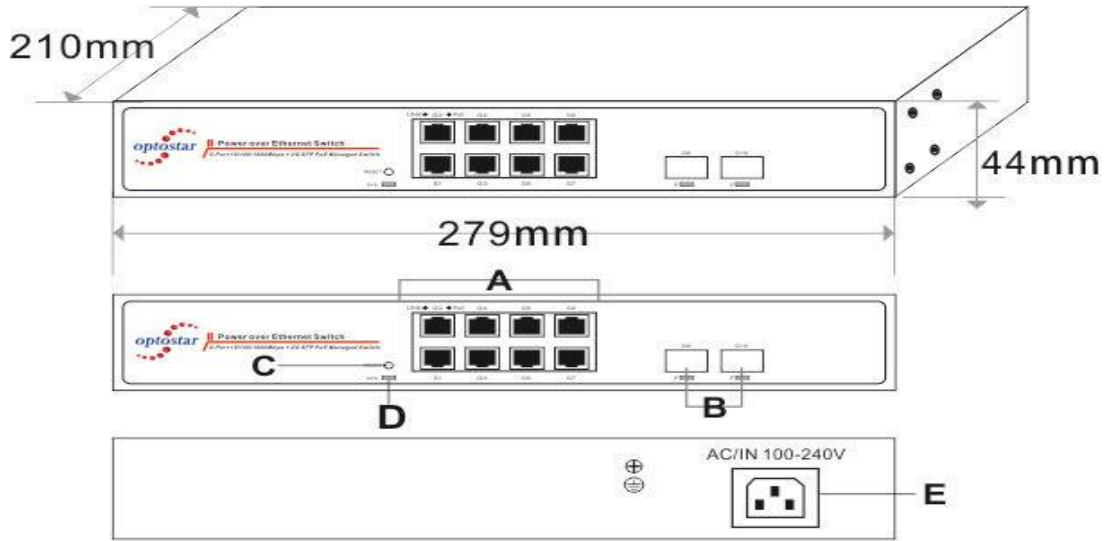
## Product Features

- All gigabit design, 8x gigabit Ethernet RJ45 ports with AutoUplink, and 2x gigabit SFP slots.
- Support IEEE802.3 10BASE-T, IEEE802.3U 100BASE-TX, IEEE802.3AB 1000BASE-T gigabit Ethernet standard
- Supports IEEE802.3x flow control for Full-duplex Mode and back pressure for Half-duplex Mode
- RJ45 ports support Auto MDI/MDI-X
- Automatic MAC address learning and aging
- Auto-Negotiation for Full-duplex Mode and Half-duplex Mode
- Plug and play, with LED indicators for monitoring power/link/activity, easy to use.
- 8 PoE ports support power over Ethernet for PDs
- Default PoE power supply type is end-span, mid-span optional

**Technical Parameter**

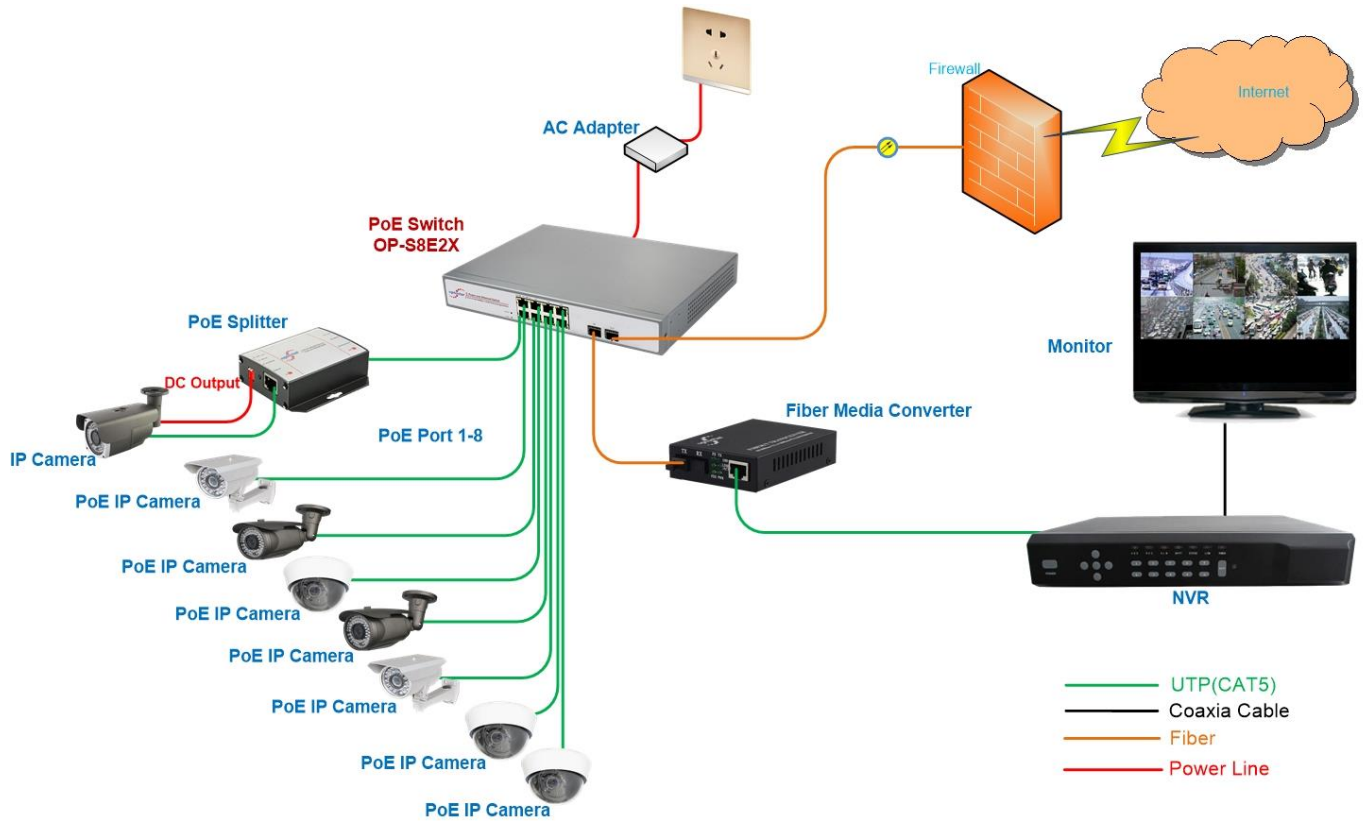
Product Name	10-port PoE Switch with 8 PoE Ports
Product Model	OP-S8E2X
Connector	Fiber Port: 2x gigabit SFP slots RJ45 Port: 8x 100/1000BaseT ports that support PoE
Ports Performance	Bandwidth: 20G (Non-blocking) Packet Buffer Memory: 4Mbit MAC Address Table Size: 4K Switch Processing Scheme: Store-and-Forward
Packet Forwarding Rate	10BASE-T: 14880pps/port; 100BASE-TX: 148800pps/port; 1000BASE-T: 1488000pps/port
Network Medium	10BASE-T: UTP CAT 3, 4, 5/5e (≤100m); EIA/TIA-586 100-ohm STP (≤100m); 100BASE-TX, 1000BASE-T: UTP CAT 5/5e (≤100m); EIA/TIA-568 100-ohm STP (≤100m)
Switching Protocols and Standards	IEEE 802.3 10BASE-T; IEEE 802.3u 100BASE-TX; IEEE 802.3ab 1000BASE-T; ANSI/IEEE Std 802.3 Nway; IEEE 802.3x
Data Transmission Rate	Ethernet: 10Mbps(Half-duplex), 20Mbps(Full-duplex); Fast Ethernet: 100Mbps(Half-duplex), 200Mbps(Full-duplex); Gigabit Ethernet: 2000Mbps(Full-duplex)
LED Indicators	SYS(System); Link; PoE
PoE Features	PoE Standard: IEEE 802.3af Power-over-Ethernet
	Single PoE Port Power Output: Max. 15.4 watts (IEEE 802.3af)
	8 PoE ports, auto detect PD devices
	PoE Port Output Voltage: DC48-55V
Power Pin Assignment:1/2+;3/6- (by default); 4/5+;7/8- can be customized	
Dimensions	279 x 210 x 44mm
MTBF	100,000 hours
Working Environment	Operating Temperature: -20℃ ~ +55℃; Storage Temperature: -40℃ ~ +85℃; Relative Humidity: 5 ~ 95%, non-condensing
Certification	CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55022 (CISPR 22), Class BCE Mark ,commercial CE/LVD EN60950, RoHS
Warranty	1 year warranty

Product Size



- A. Rj45 Ports (PoE Ports)
- B. Gigabit Uplink SFP Slot
- C. Reset
- D. System Working Indicator
- E. 100-240VAC, 50/60Hz

Application



### Order Information

Model	Description
OP-S8E2X	10-port 10/100/1000M PoE Switch, with 8x 10/100/1000Base-T RJ45 Ethernet ports, and 2x gigabit SFP slots. 8 RJ45 ports support PoE power supply function, and meet IEEE 802.3af standard. Max single PoE port output power: 15.4W. Total power budget: 130W. Built-in power adapter.

### Package include

No	Package List
1	10-port PoE Switch (OP-S8E2X)
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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