



## 9 Port 10/100/1000M Unmanaged Industrial PoE Switch

OP-S6A3H-I



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 10 (Version 1)

## Overview

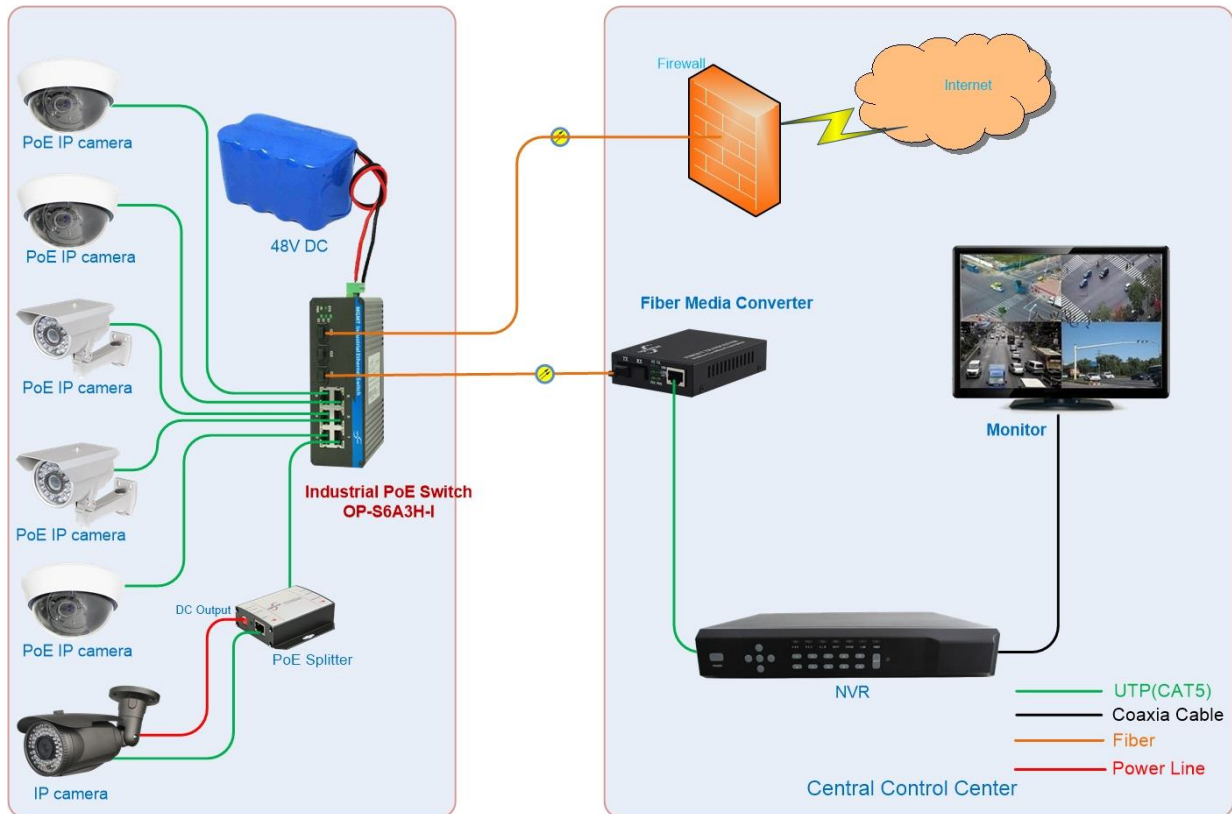
This unmanaged PoE Industrial Ethernet Switch is designed for critical industrial application, with reliable and simple operation against vibration and shock and other disturbances. It is classified as power source equipment (PSE) and provides up to 30W of power per PoE ports, eliminates the need of additional wiring.

With the wide temperature range for operation, this switch meets the requirements of reliability and practicality of network in different kinds of industrial environments.

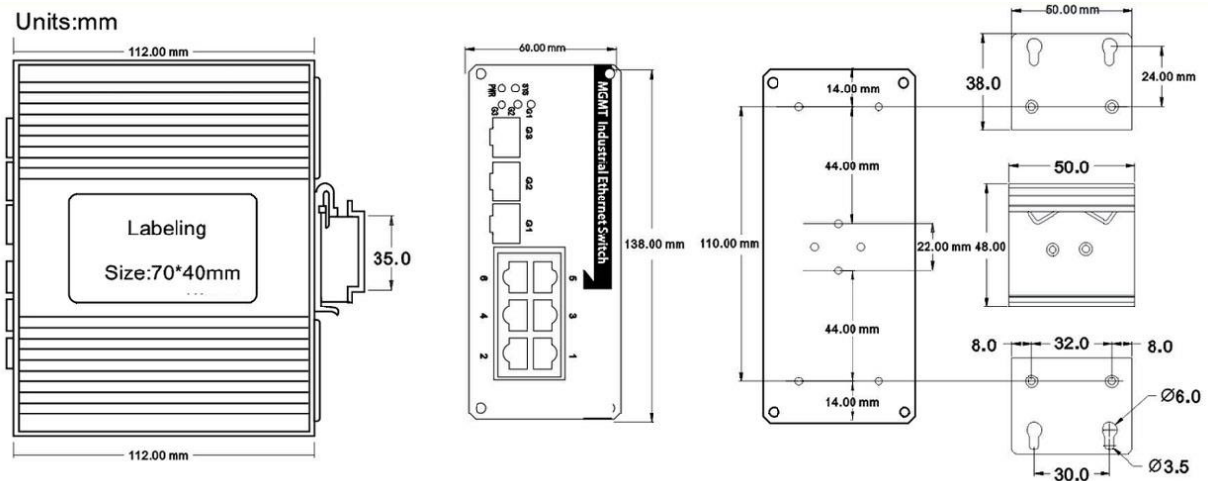
## Features

- 6\*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 3\*1000Base-SX/LX/LH/ZX port
- Up to 30W at 48V DC power output on each PoE port
- Super lightning protection, IP40 protection
- Excellent heat elimination without cooling fan
- Redundant dual DC power inputs
- -40°C-85°C operating temperature range
- Packet Buffer Size: 1Mbit
- Din-Rail mounting, Wall mounting design, easy to install and use
- MAC Table Size: 8K
- Meets the standards of the IEEE 802.3af/at standard

### Application

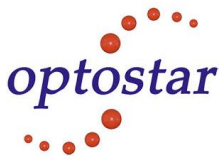


### Mechanical Dimensions



**Technical Indexes**

|                          |  |
|--------------------------|--|
| Standard                 | <p>IEEE 802.3af/at<br/>           Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE, 100Base-SX/LX/LH/ZX<br/>           Safety: UL 60950-1<br/>           Shock: IEC 60068-2-27<br/>           Free Fall: IEC 60068-2-32<br/>           Vibration: IEC 60068-2-6<br/>           EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A<br/>           Industry: IEC61000-6-2<br/>           Rail: EN50155, EN50121-4<br/>           Traffic: NEMA TS-2</p> |
| EMS                      | <p>EN61000-4-2 (ESD), Level 3<br/>           EN61000-4-3 (RS), Level 3<br/>           EN61000-4-4 (EFT), Level 3<br/>           EN61000-4-5 (Surge), Level 3<br/>           EN61000-4-6 (CS), Level 3<br/>           EN61000-4-8, Level 3</p>  |
| Copper Port              | <p>6 RJ45 Ports<br/>           Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE,<br/>           10/100Base-T(X) auto negotiation speed<br/>           Full/Half duplex mode<br/>           Auto MDI-MDI-X connection<br/>           Up to 100M Cat-5 transmission distance</p>  |
| Fiber Port               | <p>3 Fiber Port<br/>           Comply with IEEE802.3u, 1000Base-SX/LX/LH/ZX<br/>           Rate: 1000Mbps<br/>           Wavelength: 850nm/1310nm/1550nm<br/>           Up to 2Km transmission distance with multi-mode<br/>           Up to 20Km,40Km,60Km,80Km transmission distance with single-mode<br/>           SC/LC interfaces optional</p>   |
| Switch Properties        | <p>MAC Table Size: 8K<br/>           Packet Buffer Size: 1Mbit<br/>           Processing Type: Store and Forward<br/>           Exchange Properties: 148800pps (100M)</p>  |
| Power                    | <p>Input Voltage: 48V DC(44-57VDC), Redundant dual inputs<br/>           Input Current: &lt;0.5A @48VDC<br/>           Overload Current Protection: Present<br/>           Reverse Polarity Protection: Present<br/>           Redundant Protection: Present<br/>           Connection: 1 removable 6-pin terminal blocks</p>  |
| Environmental Limits     | <p>Operating Temperature: -40°C-85°C<br/>           Storage Temperature: -40°C-85°C<br/>           Ambient Relative Humidity: 5%-95% (non-condensing)</p>  |
| Warranty                 | <p>3 years</p>   |
| Physical Characteristics | <p>Housing: Aluminum Alloy material with IP40 Protection<br/>           Dimension: 138mm(L) X 112mm(W) X60mm(H)<br/>           Weight: 640g<br/>           Installation: Din-Rail mounting, Wall mounting</p>  |



### Order Information

| Model  | Description  |
|--|--|
| OP-S6A3H-I   | 6*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 3*1000Base-SX/LX/LH/ZX port |
| Note:1. Multi-mode/ Single-mode Optional<br>2. 550M,2KM,20KM,40KM,60KM,80KM Optional<br>3. Wavelength: 850nm/1310nm/1550nm<br>4. SC/ST/FC Optional<br>5. Dual Fiber/ Single Fiber Optional |  |

### Package include

| No | Package List   |
|----|--|
| 1  | 6*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 3*1000Base-SX/LX/LH/ZX port |
| 2  | Power Adapter  |
| 3  | User Guide   |
| 4  | Warranty Card  |

### Important 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)