



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

OP-S8A2H-I



Shenzhen Optostar Optoelectronics Co., Ltd

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## Overview

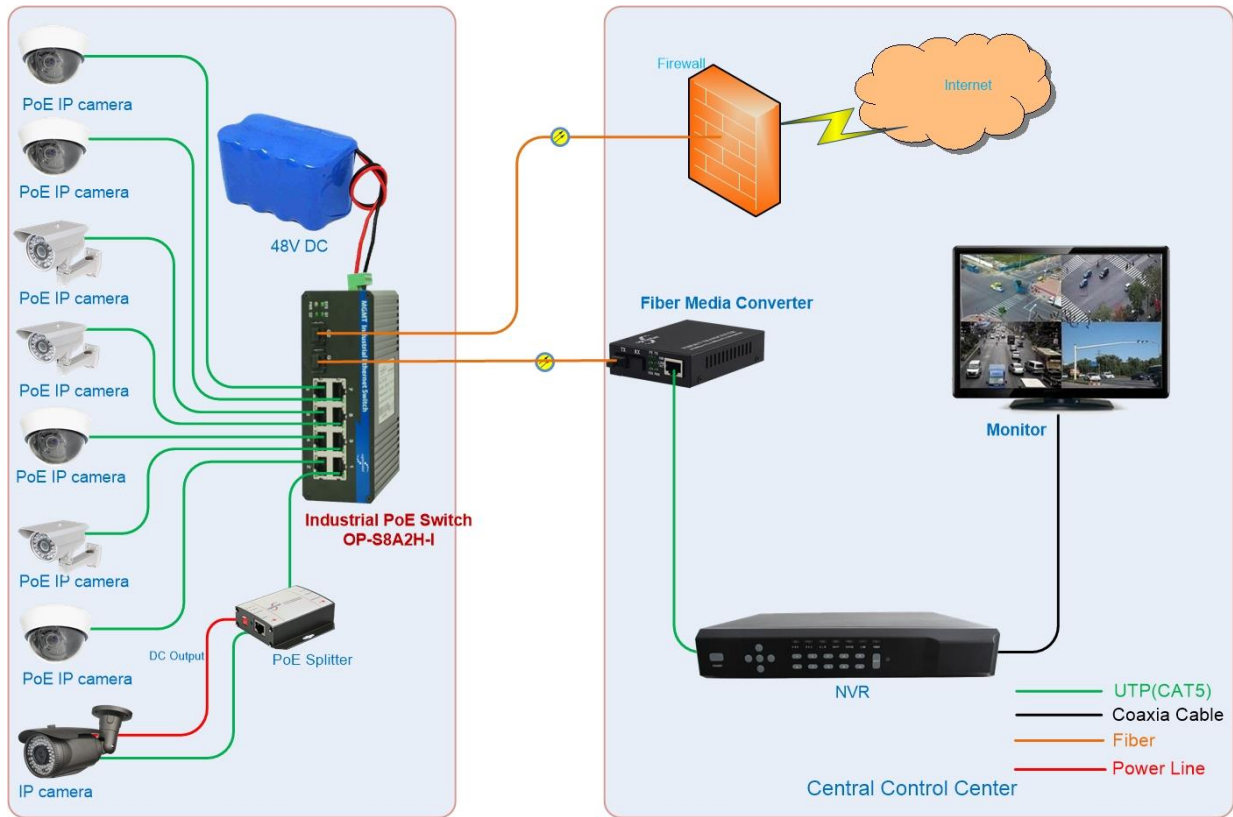
This unmanaged PoE Industrial Ethernet Switch is designed for critical industrial application, with reliable and simple operation against vibration and shock and other disturbances. It is classified as power source equipment (PSE) and provides up to 30W of power per PoE ports, eliminates the need of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

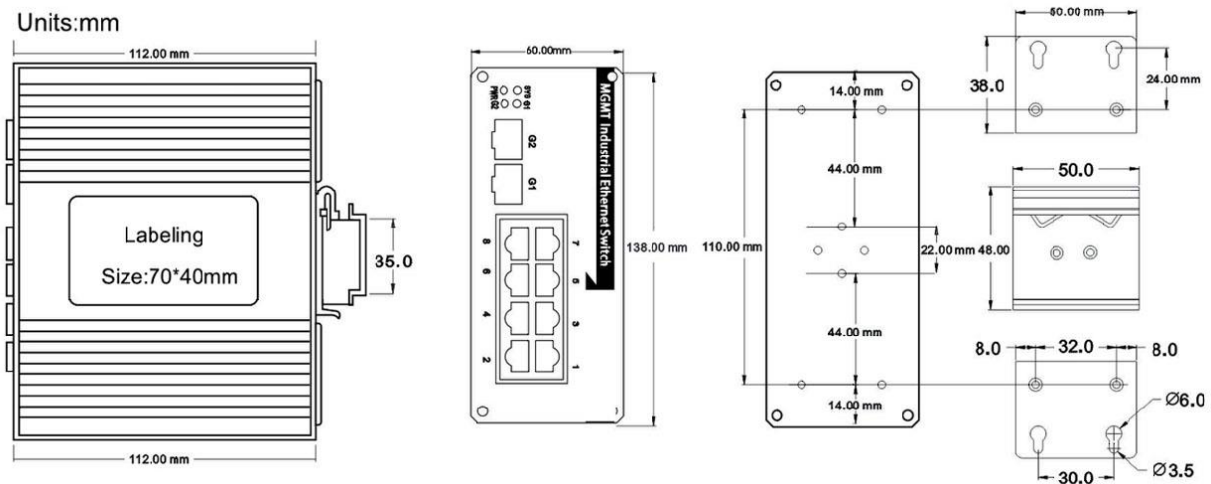
## Features

- 8\*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2\*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          Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE, 1000Base-SX/LX/LH/ZX          Safety: UL 60950-1          Shock: IEC 60068-2-27          Free Fall: IEC 60068-2-32          Vibration: IEC 60068-2-6          EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A          Industry: IEC61000-6-2          Rail: EN50155, EN50121-4          Traffic: NEMA TS-2</p>
EMS	<p>EN61000-4-2 (ESD), Level 3          EN61000-4-3 (RS), Level 3          EN61000-4-4 (EFT), Level 3          EN61000-4-5 (Surge), Level 3          EN61000-4-6 (CS), Level 3          EN61000-4-8, Level 3</p>
Copper Port	<p>8 RJ45 Ports          Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE,          10/100Base-T(X) auto negotiation speed          Full/Half duplex mode          Auto MDI-MDI-X connection          Up to 100M Cat-5 transmission distance</p>
Fiber Port	<p>2 Fiber Port          Comply with IEEE802.3u, 1000Base-SX/LX/LH/ZX          Rate: 1000Mbps          Wavelength: 850nm/1310nm/1550nm          Up to 550m transmission distance with multi-mode          Up to 20Km,40Km,60Km,80Km transmission distance with single-mode          SC/LC interfaces optional</p>
Switch Properties	<p>MAC Table Size: 8K          Packet Buffer Size: 1Mbit          Processing Type: Store and Forward          Exchange Properties: 148800pps (100M)</p>
Power	<p>Input Voltage: 48V DC(44-57VDC), Redundant dual inputs          Input Current: &lt;0.5A @48VDC          Overload Current Protection: Present          Reverse Polarity Protection: Present          Redundant Protection: Present          Connection: 1 removable 6-pin terminal blocks</p>
Environmental Limits	<p>Operating Temperature: -40°C-85°C          Storage Temperature: -40°C-85°C          Ambient Relative Humidity: 5%-95% (non-condensing)</p>
Warranty	<p>3 years</p>
Physical Characteristics	<p>Housing: Aluminum Alloy material with IP40 Protection          Dimension: 138mm(L) X 112mm(W) X60mm(H)          Weight: 640g          Installation: Din-Rail mounting, Wall mounting</p>



**Order Information**

Model	Description
OP-S8A2H-I	8*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2*1000Base-SX/LX/LH/ZX port
Note:1. Multi-mode/ Single-mode Optional 2. 550M,2KM,20KM,40KM,60KM,80KM Optional 3. Wavelength: 850nm/1310nm/1550nm 4. SC/ST/FC Optional 5. Dual Fiber/ Single Fiber Optional	

**Package include**

No	Package List
1	8*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2*1000Base-SX/LX/LH/ZX port
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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