



2 Port 10/100M Unmanaged Industrial PoE Switch

OP-S1A1D-I



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 10 (Version 1)

Overview

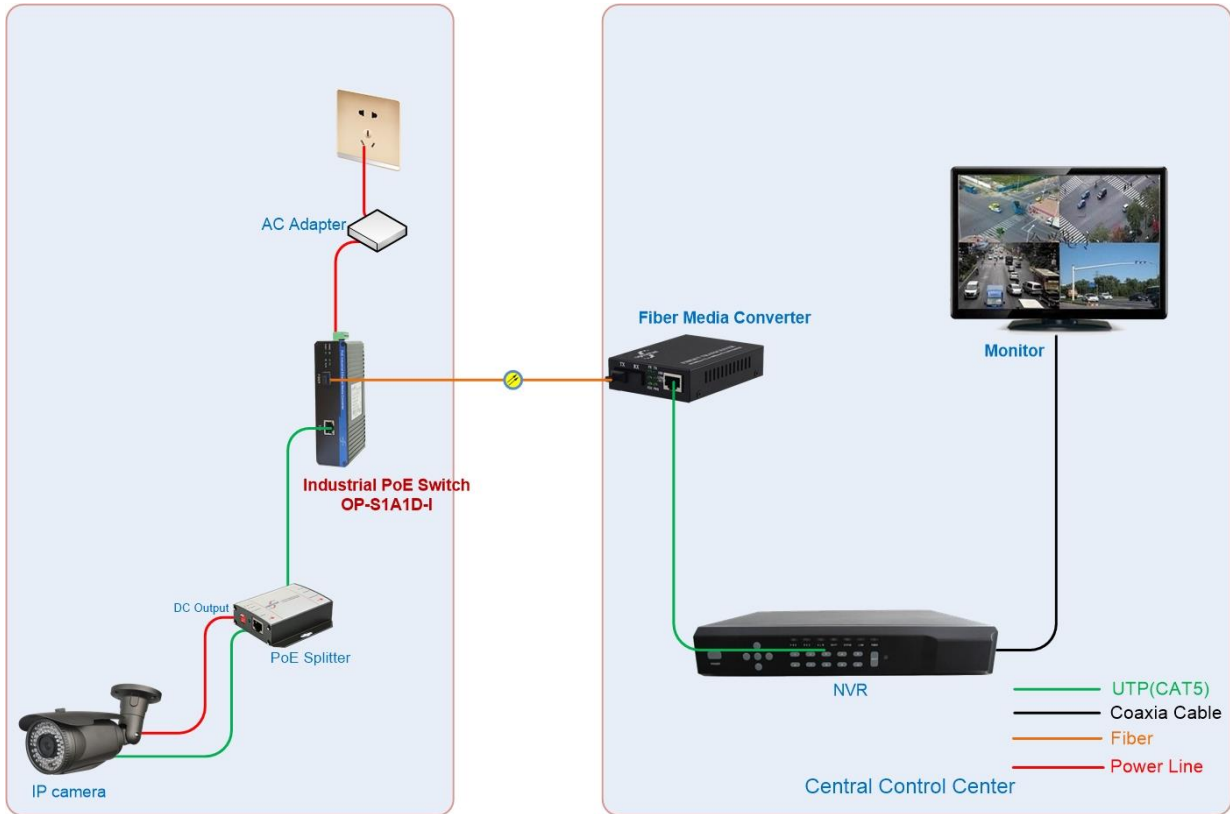
This unmanaged Ethernet PoE switch OP-S1A1D-I is specialized for harsh industrial environment. It is classified as power resource equipment, which can be used to power IEEE 802.3af/at compliant powered devices, eliminates the need of additional wiring.

With simple operation, excellent quality and competitive price, OP-S41F-I provides an economical solution for your industrial Ethernet network, which is also specially designed for the needs of multiplex broadband access with limited optical fibers.

Features

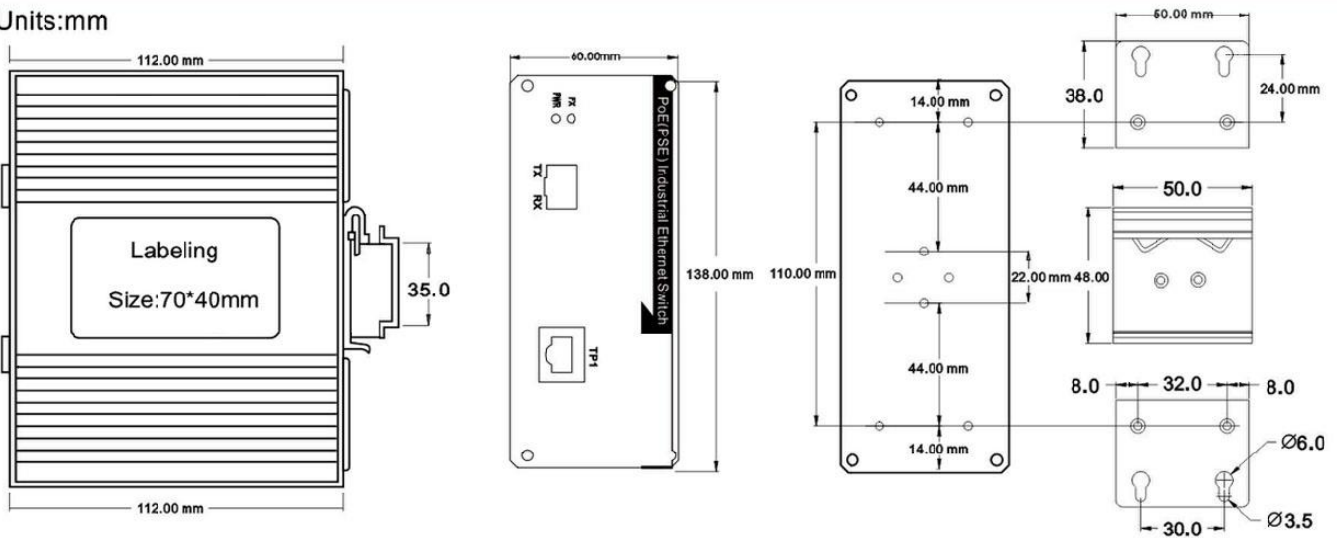
- 1*IEEE 802.3af/at PoE compliance 10/100Base-T(X) port and 1*100Base-FX port
- Up to 30W at 48V DC power output on each PoE port
- Super lightning protection, IP40 protection
- Excellent heat elimination without cooling fan
- Redundant dual DC power inputs
- -40°C-85°C operating temperature range
- Packet Buffer Size is 6KX64bits
- Din-Rail mounting, Wall mounting design, easy to install and use
- MAC Table Size: 2K
- Meets the standards of the IEEE 802.3af/at standard

Application



Mechanical Dimensions

Units:mm



Technical Indexes

Standard	<p>IEEE 802.3af/at Comply with IEEE802.3u, 100Base-FX 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>1 RJ45 Port Comply with IEEE802.3, IEEE802.3u, 10/100Base-T(X), 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>1 Fiber Port Comply with IEEE802.3u, 100Base-FX Rate: 100Mbps Wavelength: 1310nm/1550nm Up to 2Km transmission distance with multi-mode Up to 20km,40km,60km,80km transmission distance with single-mode SC/ST/FC interfaces optional</p>
Switch Properties	<p>MAC Table Size: 2K Packet Buffer Size: 6KX64bits Processing Type: Store and Forward Exchange Properties: 148800pps (100M)</p>
Power	<p>Input Voltage: 48V DC(44-57VDC), Redundant dual inputs Input Current: <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	Housing: Aluminum Alloy material with IP40 Protection Dimension: 138mm(L) X 112mm(W) X 42mm(H) Weight: 470g Installation: Din-Rail mounting, Wall mounting
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Order Information

Model	Description
OP-S1A1D-I	1*10/100M Up-Link Port and 1*10/100M PoE Port
Note:1. Multi-mode/ Single-mode Optional 2.2KM,20KM,40KM,60KM,80KM Optional 3. SC/ST/FC Optional 4. Dual Fiber/ Single Fiber Optional	

Package include

No	Package List
1	1*10/100M Up-Link Port and 1*10/100M PoE Port (OP-S1A1D-I)
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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