



10/100M Unmanaged Industrial Fiber Media Converter

OP-S2F1DB-I



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 10 (Version 1)

Overview

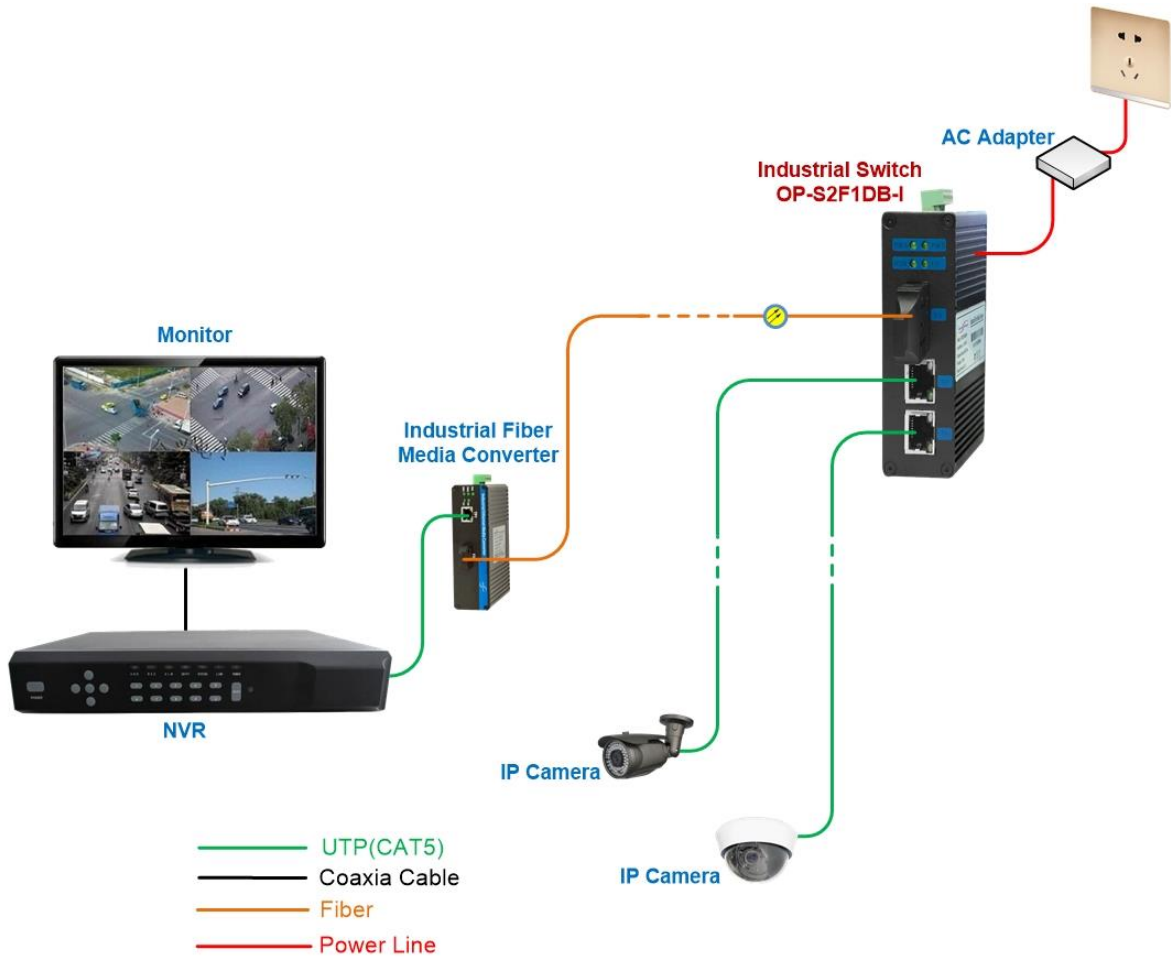
This industrial media converter is specially designed for industrial application, which provides fast and stable media conversion between 10/100BaseTX and 100BaseFX. It also meets the requirements of long distance, high speed, and wide broadcast.

With wide range operation temperature, alloy aluminum shell and other excellent industrial-grade design against vibration and shock, it could keep your industrial automation applications running continuously in different harsh environments.

Features

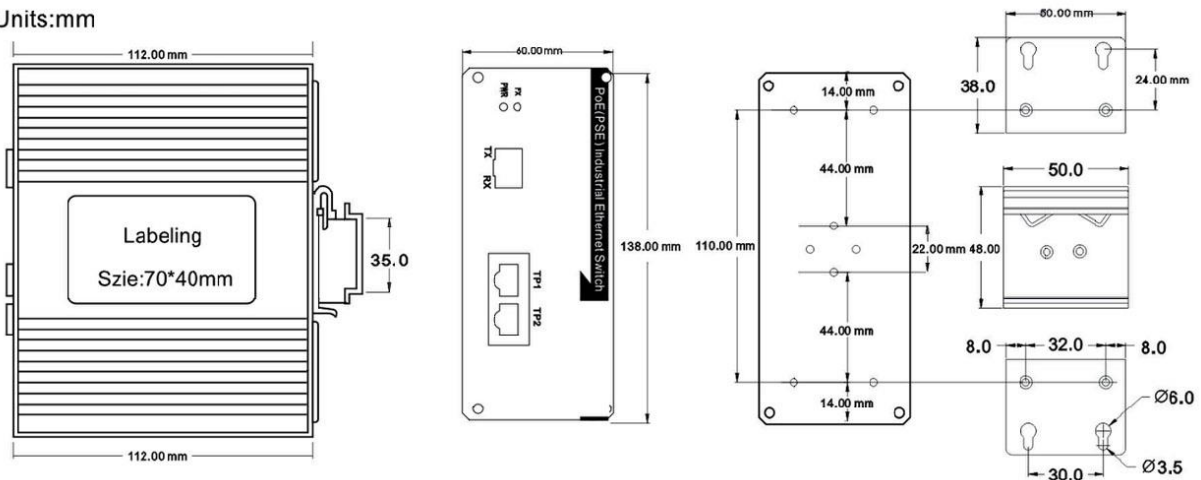
- 2*10/100Base-TX port and 1*100Base-FX port
- 10/100M auto-negotiation , Full/Half duplex mode, auto-MDI-MDI-X
- Super lightning protection, IP40 protection
- Excellent heat elimination without cooling fan
- Redundant dual DC power inputs
- -40°C-85°C operating temperature range
- Packet Buffer Size: 1Mbit
- Din-Rail mounting, Wall mounting design, easy to install and use
- MAC Table Size: 8K

Application



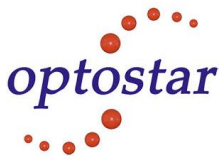
Mechanical Dimensions

Units:mm



Technical Indexes

Standard	<p>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</p>
Copper Port	<p>2*RJ45 Port Comply with IEEE802.3, IEEE802.3u, 10/100Base-TX 10/100Base-TX 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: 8K Packet Buffer Size: 1Mbit Processing Type: Store and Forward Exchange Properties: 148800pps (100M)</p>
Power	<p>Input Voltage: 24V DC(6-36VDC), Redundant dual inputs Input Current: <0.5A @24VDC 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: 98mm(L) X 80mm(W) X 32mm(H) Weight: 270g Installation: Din-Rail mounting, Wall mounting
--------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

Order Information

Model	Description
OP-S2F1DB-I	2*10/100Base-TX port and 1*100Base-FX port
Note:1. Multi-mode/ Single-mode Optional 2. 2KM,20KM,40KM,60KM,80KM Optional 3. Wavelength: 1310nm/1550nm 4. SC/ST/FC Optional 5. Dual Fiber/ Single Fiber Optional	

Package include

No	Package List
1	2*10/100Base-TX port and 1*100Base-FX 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.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

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

Skype:ouyangroya

Web: www.optostar.com.cn