1-Port 10/100Mbps Industrial Fiber Converter with 1 SC

85℃ / −40℃

DIN Rail

6KV Lightning Protection

IES7211-1FE1Fx-DC

EXCLUSIVE **5YEAR** WARRANTY

Key Features:

Ports: Provide 1*10/100Mbps Ethernet ports with 1*155Mbps SC

Self-adaption: RJ45 port supports 10/100Mbps Auto MDI/MDIX

Industrial Installation: Din Rail mounting installation

Wide Application: Designed for Railway, traffic etc some Industrial environment

Surge protection: Protect the device from lighting surges and others electrical hazards

Working Temperature: -40 to 85 degrees   operating temperature

Considerate Design: IP40 Industrial enclosure

Easy to use: Plug and play, No configuration required

Environmentally Hardened Design

With the **IP40** metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges,Being able to operate under the temperature range from **-40 to 85 degrees C**, the IES7211-1FE1Fx-DC can be placed in almost any difficult environment.

Dual Power input for High Availability Network

Featureing a strong dual power input system with wide-ranging voltages (12V~36V DC) incorporated into customer's automation network to enhance system reliability and uptime which make the installation more flexible and convenient.

Surge Protection Design

provides contact discharge of ±8KV DC and air discharge of ±15KV DC for Ethernet ESD protection. It also supports ±6KV surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.
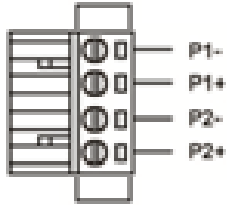
IES7211-1FE1Fx-DC

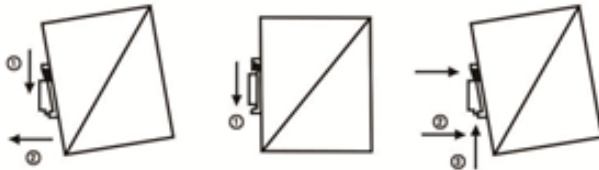## 1-Port 10/100Mbps Industrial Fiber Converter with 1 SC

Technical Datasheet

Model	IES7211-1FE1Fx-DC	
Hardware Specifications		
ports	1*10/100BASE-T RJ45 auto-MDI/MDI-X ports 1 *155Mbps SC	
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2	
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) SC: Green	
Power requirements	12~54V DC	
Power Consumption	Less than 2 Watts	
Power Protection	Reverse protection; Over voltage protection,Over current protection	
Fiber	Dual fiber/singe fiber optional,distance depends on fiber module,SC connector	
Switch Performance	Backplane bandwidth	1Gbps
	Packet forwarding rate	0.75Mpps
	MAC address	2k
	Flow control	Back pressure for half duple. IEEE 802.3x pause frame for full duplex
Enclosure	IP40 Metal case	
ESD Protection	6KV ESD	
Dimension(W x D x H)	28 x 90 x 126mm (1.1in x 3.54in x4.96in)	
Weight	0.55Kg	
Standards Conformance		
Network standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-Tx IEEE 802.3x Full-Duplex Flow Control	
Stability Testing	FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s) IEC 60068-2-32 (free fall) IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration)	
Environment		
Environment specification	Operating temperature: -40℃~85℃，operating humidity: 5％~95％ Storage temperature: -40℃~85℃，storage humidity: 5％~95％	

Installation Models

Power Terminal

- P1-
- P1+
- P2-
- P2+

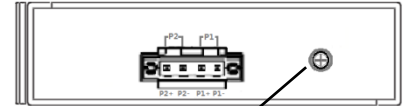- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-54VDC wide voltage input
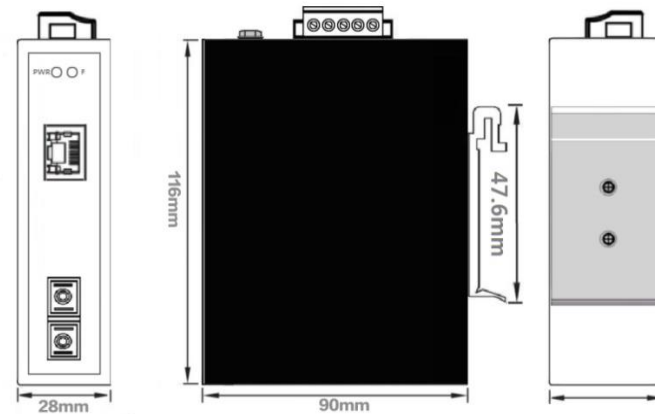- ◆ P1&P2 dual power input
- ◆ Reverse protection

Earth Protection

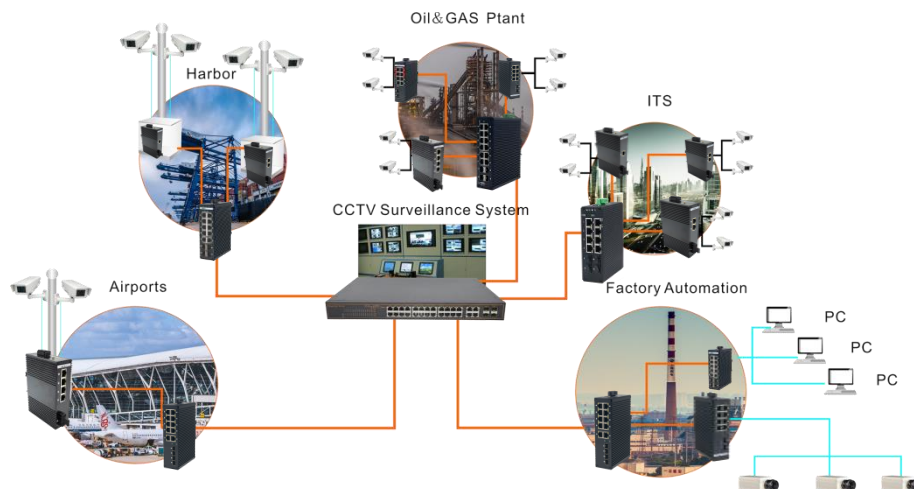Ground terminal or screw

Din-Rail

Mechanical Drawing

PWR ○ ○ F

116mm

47.6mm

28mm

90mm

Applications

Oil&GAS Ptant

Harbor

ITS

CCTV Surveillance System

Airports

Factory Automation

PC

PC

PC

Ordering Information	
IES7211-1FE1Fx-DC	1 Ports 10/100Mbps Industrial Ethernet swtich With 1 SC