2-Port 10/100Mbps Industrial Switch with 1 Fiber Uplink

85℃ ☀ ❄ −40℃

DIN Rail

6KV Lightning Protection

IES7210-2E1Fx-DC

EXCLUSIVE 5YEAR WARRANTY

Key Features:

Ports: Provide 2*10/100Mbps Ethernet ports with 1 155Mbps SC/FC

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 IES7210-2E1FX can be placed in almost any difficult environment.

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.

Dual Power input for High Availability Network

Featureing a strong dual power input system with wide-ranging voltages (12V~36V DC or 24V AC) incorporated into customer's automation network to enhance system reliability and uptime which make the installation more flexible and convenient.

Fiber Uplink Port

With fiber Uplink (SC connector) available, the Fiber uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the fiber can transmitte the date with Max 100Km distance with more economic solution
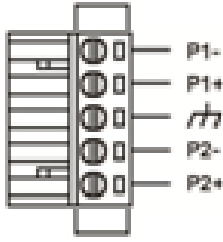
Technical Datasheet
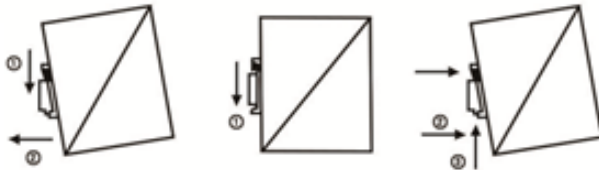
Model	IES7210-2E1Fx-DC	
Hardware Specifications		
ports	2 10/100BASE-T RJ45 auto-MDI/MDI-X ports 1 155Mbps SC Slot	
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) SFP: Green	
Power requirements	12~36V DC	
Power Consumption	Less than 2Watts	
Power Connector	Removable 4-pin terminal block,Pin 1/2 for Power 1; Pin 3/4 for Power 2	
Installation	DIN-rail kit and wall-mount kit	
Switch Performance	Backplane bandwidth	1Gbps
	Packet forwarding rate	0.45Mpps
	MAC address	4k
	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)	30 x 90 x 84mm (1.18in x 3.54in x 3.3in)	
Weight	0.2Kg	
Standards Conformance		
Network standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-Tx IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az EEE	
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％	
Warranty	5 Years	

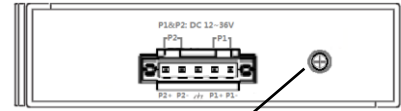## Installation Models

Power Terminal

- ◆ 5-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-36VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection
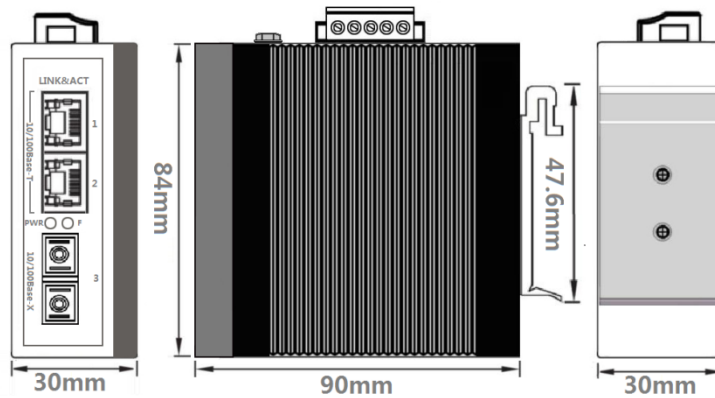
P1-
P1+
P2-
P2+

Earth Protection

P1&P2: DC 12~36V

Ground terminal or screw

Din-Rail

Wall mounting

Mechanical Drawing

LINK&ACT
10/100Base-T
PWR
10/100Base-X

84mm
30mm
90mm
47.6mm
30mm

Applications

Oil&GAS Ptant

Harbor

ITS

CCTV Surveillance System

Airports

Factory Automation

PC
PC
PC
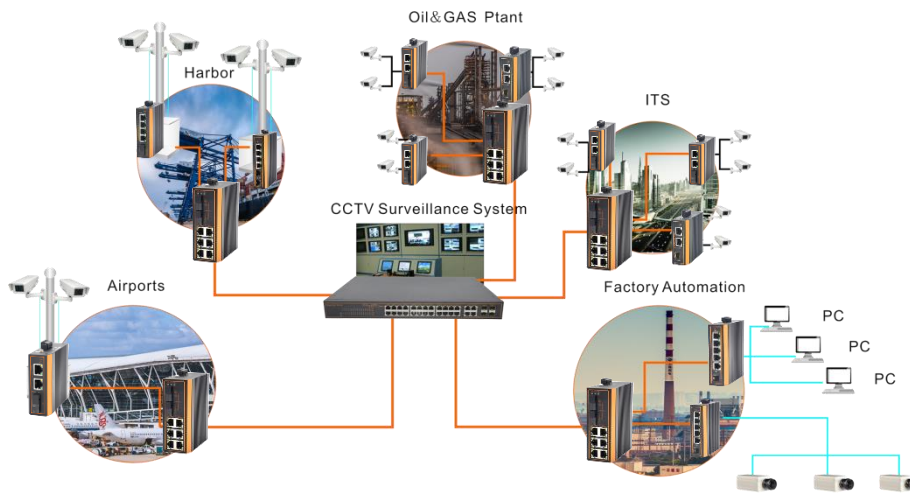
Ordering Information	
IES7210-2E1Fx-DC	2 Ports 10/100Mbps Industrial Ethernet switch With 1 Fiber Uplink.SC connector,20KM