8-Port 10/100Mbps Industrial Ethernet Switch

85℃ / −40℃

DIN / Rail

6KV Lightning Protection

IES7210-8E-DC

EXCLUSIVE 5YEAR WARRANTY

Key Features:

Ports: Provide 8*10/100Mbps Ethernet ports

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: Exquisite compact size with fanless design

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 IES7210-8E-DC can be placed in almost any difficult environment.
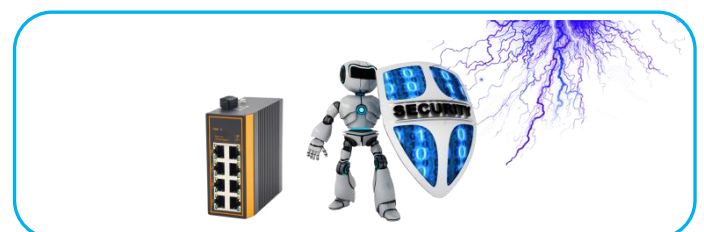

Working Temperature -40℃ 85℃
Wide temperature design
work well in different harsh environment

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.

P1&P2: DC 12~36V

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.
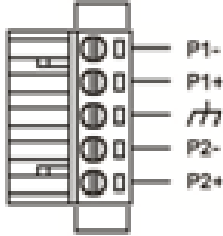
IES7210-8E-DC

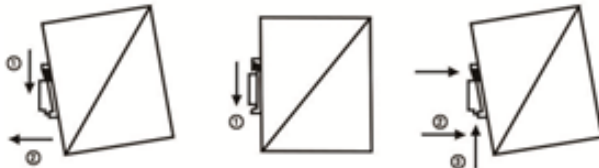## 8-Port 10/100Mbps Industrial Switch

Technical Datasheet

Model	IES7210-8E-DC	
Hardware Specifications		
Copper ports	8 10/100BASE-T RJ45 auto-MDI/MDI-X ports	
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)	
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	1.8Gbps
	Packet forwarding rate	1.2Mpps
	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)	44.5 x 100 x 99mm (1.75in x 3.94in x 3.90in)	
Weight	0.46Kg	
Standards Conformance		
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-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％	
Warranty	5 Years	

Installation Models

Power Terminal

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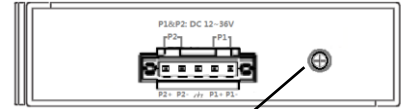
- 5-pin 3.81mm-spacing plug-in terminal
- 12V-36VDC wide voltage input
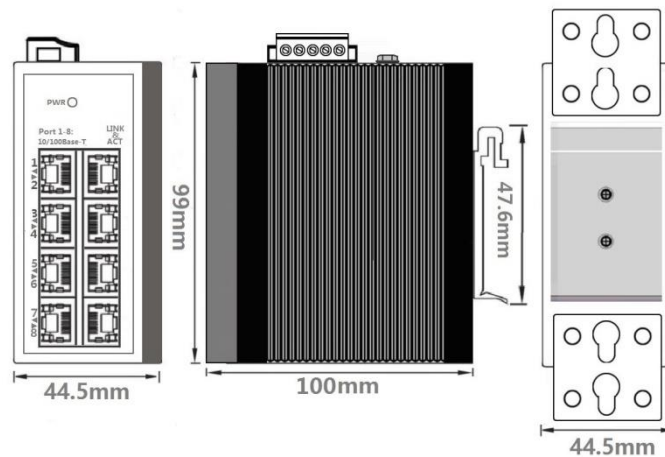- P1&P2 dual power input
- Reverse protection

Earth Protection

P1&P2: DC 12~36V

P2- P2- P1+ P1

Ground terminal or screw

Din-Rail

Wall mounting

Mechanical Drawing

PWR
Port 1-8: 10/100Base-T
LINK & ACT

99mm

47.6mm

44.5mm

100mm

44.5mm

Applications

Oil & GAS Ptant

Harbor

ITS

CCTV Surveillance System

Airports

Factory Automation

PC
PC
PC
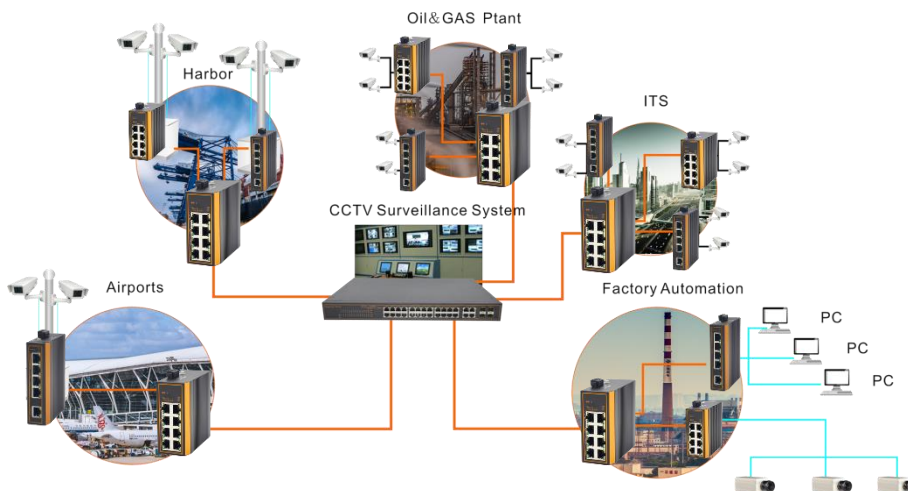
Ordering Information	
IES7210-8E-DC	8 Ports 10/100Mbps Industrial Ethernet swtich