

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



IES7210-4FE1FX-CA

Key Features:

Ports: Provide 4*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 with Dual power input

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 **IES7210-4FE1FX-CA** can be placed in almost any difficult environment.



Dual Power input for High Availability Network

Featuring 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.



Surge Protection Design

Provides contact discharge of $\pm 8\text{KV}$ DC and air discharge of $\pm 15\text{KV}$ DC for Ethernet ESD protection. It also supports $\pm 6\text{KV}$ surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.



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 transmitt the date with Max 100Km distance with more economic solution



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Technical Datasheet

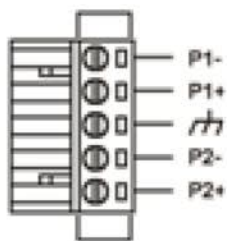
Model	IES7210-4FE1FX-CA		
Hardware Specifications			
ports	4 10/100BASE-T RJ45 auto-MDI/MDI-X ports		
	1 155Mbps SC Slot		
Connector	Removable 4-pin terminal block		
	Pin 1/2 for Power 1; Pin 3/4 for Power 2		
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) SC: Green		
Power requirements	12~36V DC		
Power Consumption	Less than 3Watts		
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		0.75Mpps
	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 115mm (1.18in x 3.54in x 4.53in)		
Weight	0.32Kg		
Standards Conformance			
Network standard	IEEE 802.3 10Base-T		
	IEEE 802.3u 100Base-Tx		
	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		

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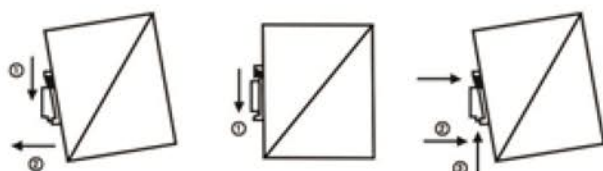
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Installation Models

Power Terminal

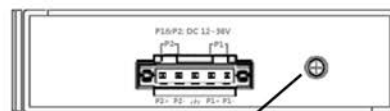


- ◆ 5-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-36VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



Din-Rail

Earth Protection

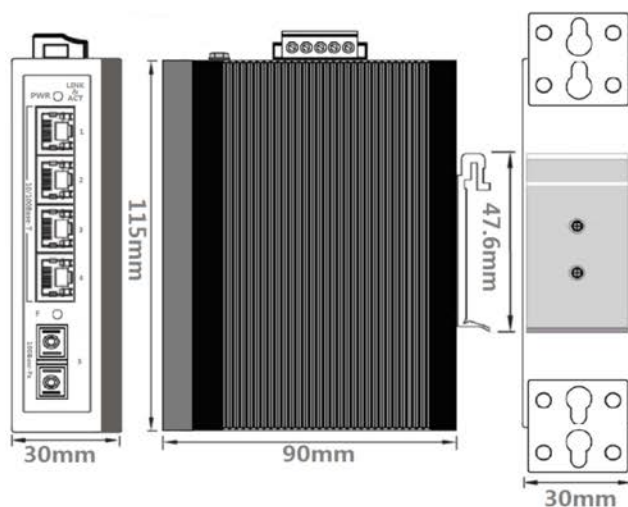


Ground terminal or screw

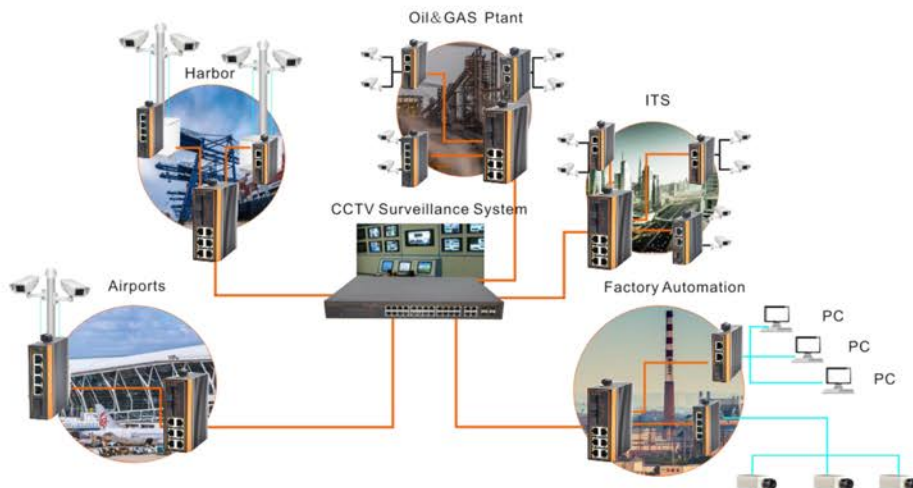


Wall mounting

Mechanical Drawing



Applications



Ordering Information

IES7210-4FE1FX-CA 4 Ports 10/100Mbps Industrial Ethernet switch With 1 Fiber Uplink.SC connector,20KM