



## 8-Port 10/100Mbps Industrial Ethernet Switch



IES7210-8E-CA

### 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 lightning 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-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.

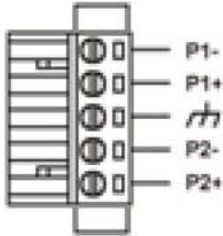


## Technical Datasheet

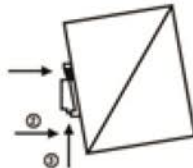
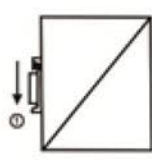
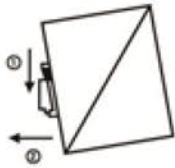
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|--------------------------------|--|---|
| <b>Model</b>                   | <b>IES7210-8E-CA</b>   |   |
| <b>Hardware Specifications</b> |  |   |
| Copper ports                   | 8 10/100BASE-T RJ45 auto-MDI/MDI-X ports                                   |   |
| Connector                      | Removable 4-pin terminal block<br>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   |   |
| <b>Standards Conformance</b>   |  |   |
| 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)      |  |   |
| <b>Environment</b>             |  |   |
| Environment specification      | Operating temperature: -40°C~85°C, operating humidity: 5%~95%              |   |
|                                | Storage temperature: -40°C~85°C, storage humidity: 5%~95%                  |   |
| Warranty                       | 5 Years  |   |

### Installation Models

#### Power Terminal

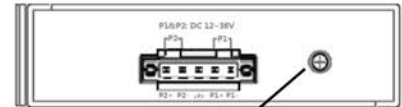


- ◆ 5-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-36VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



Din-Rail

#### Earth Protection

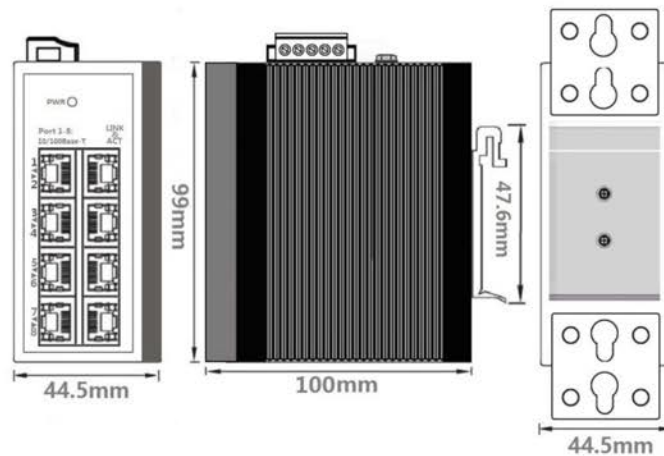


Ground terminal or screw

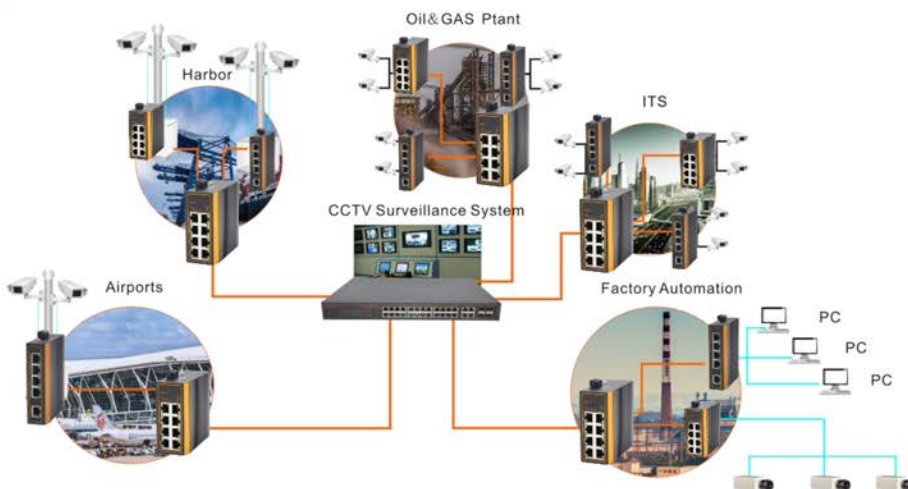


Wall mounting

### Mechanical Drawing



### Applications



#### Ordering Information

**IES7210-8E-CA**

8 Ports 10/100Mbps Industrial Ethernet switch