BORN
elegant creation

8-Port 10/100Mbps Industrial PoE Switch with 2G SFP Uplink

BI8208PE2F

85℃ / −40℃

DIN Rail

6KV Lightning Protection

Key Features:

Ports: Provide 8*10/100Mbps PoE ports with 2 gigabit SFP

PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant

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
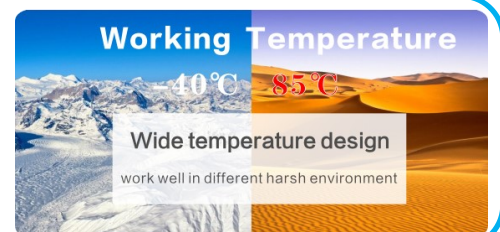
Working Temperature: -40 to 85 degrees operating temperature

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 BI8208PE2F 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 (44V~56V 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.
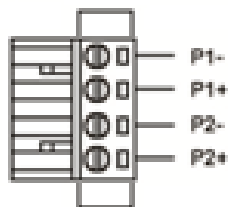
BI8208PE2F

8-Port 10/100Mbps Industrial PoE Switch with 2 Gigabit SFP
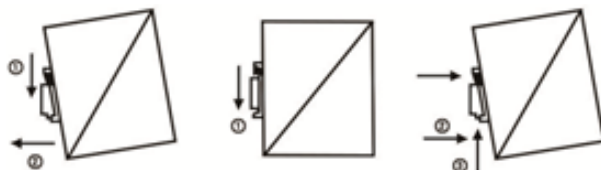
Technical Datasheet

Model	BI8208PE2F
Hardware Specifications	
ports	8* 10/100BASE-T RJ45 auto-MDI/MDI-X ports 2* 1000Mbps SFP 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	44~56V DC
Power Consumption	Less than 5Watts
Switch Performance	Backplane bandwidth 7.5Gbps Packet forwarding rate 4.2Mpps 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)	48mm x 110mm x 150mm
Weight	0.6Kg
Power over Ethernet (PoE) Specifications	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3az EEE
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power budget	120W Optional
Environment	
Environment specification	Operating temperature: -40℃~85℃，operating humidity: 5％~95％ Storage temperature: -40℃~85℃，storage humidity: 5％~95％
Warranty	5 Years

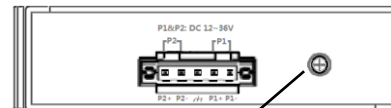## Installation Models

Power Terminal

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

- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54VDC wide voltage input
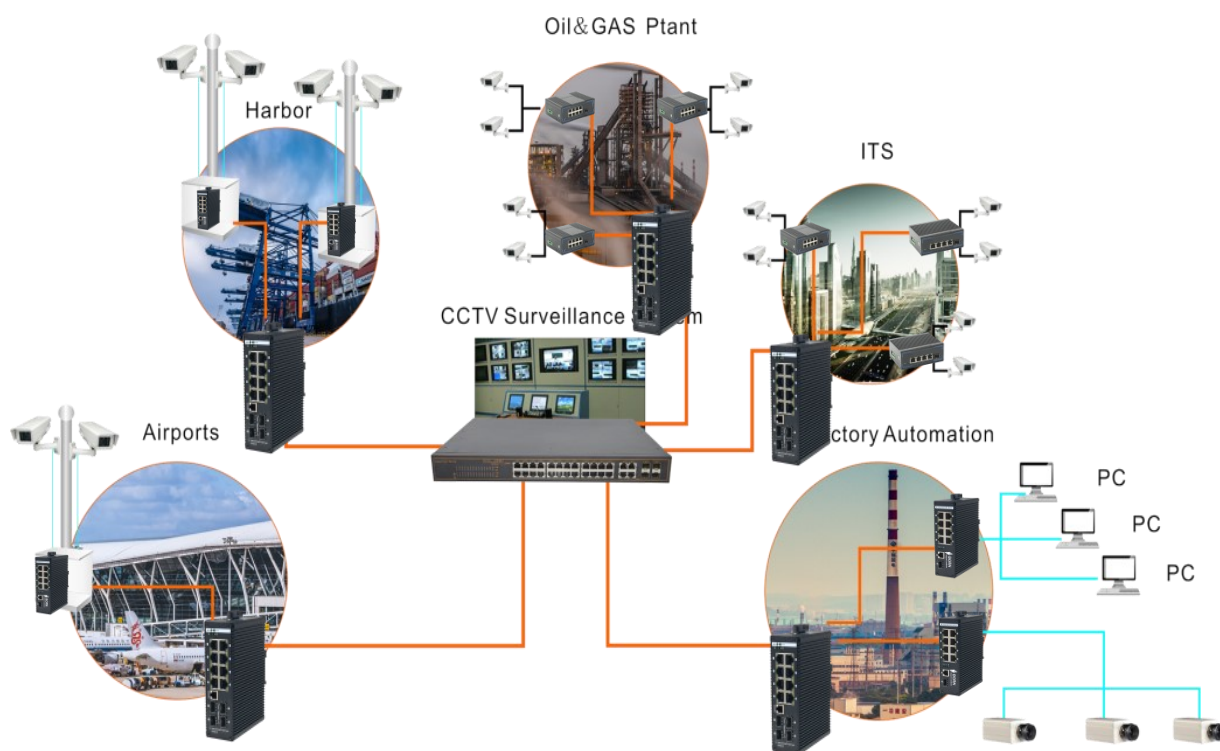- ◆ P1&P2 dual power input
- ◆ Reverse protection

Earth Protection

P1&P2: DC 12~36V

Ground screw

Din-Rail

Applications

Harbor

Oil&GAS Ptant

ITS

CCTV Surveillance System

Airports

Factory Automation

PC

PC

PC

Ordering Information	
BI8208PE2F	8 Ports 10/100Mbps Industrial PoE Switch With 2 Gigabit SFP Uplink, Din Rail