BORN
elegant creation

BI8208PE1G1F

8Port PoE Fast Ethernet Industrial Switch

Key Features:

Ports: Provide 8*10/100Mbps PoE ports with 1 gigabit RJ45 and 1 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 BI8208PE1G1F 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.

BORN
elegant creation

BI8208PE1G1F

8Port PoE Fast Ethernet Industrial Switch

Technical Datasheet

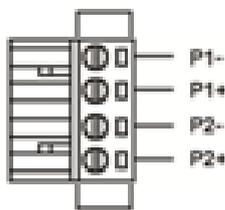| Model	BI8208PE1G1F	
Hardware Specifications		
ports	8* 10/100BASE-T RJ45 auto-MDI/MDI-X ports 1* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports 1* 1000Mbps SFP Slot	
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2	
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) SFP: Green	
Power requirements	44~54V 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	

BORN
elegant creation

BI8208PE1G1F

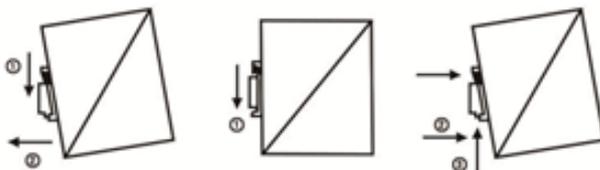## 8Port PoE Fast Ethernet Industrial Switch

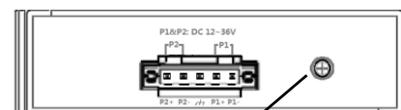|	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE
	IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af)
	Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power budget	120W Optional
Environment	
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

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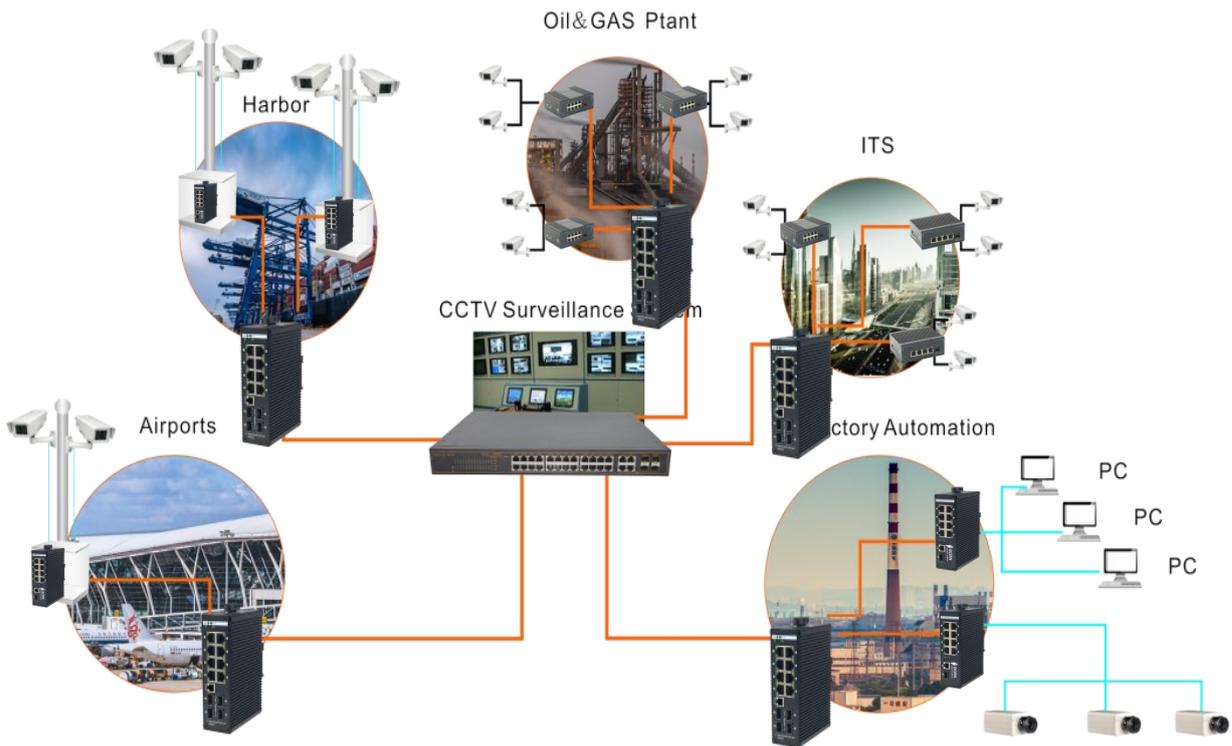- ◆ P1&P2 dual power input
- ◆ Reverse protection

Earth Protection

Ground screw

Din-Rail

BI8208PE1G1F

8Port PoE Fast Ethernet Industrial Switch

Applications

Ordering Information	
BI8208PE1G1F	8 Ports 10/100Mbps Industrial PoE Switch With 1 Gigabit RJ45 and 1G SFP Uplink,Din Rail