



## 8-Port 10/100Mbps Industrial PoE Switch with 1 Gigabit RJ45 and 1G SFP Uplink



BI8208PE1GF

### 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 BI8208PE1GF 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  $\pm 8\text{KV}$  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.



# BI8208PE1GF

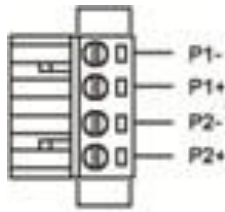
## 8-Port 10/100Mbps Industrial PoE Switch with 1 Gigabit RJ45 and 1G SFP

### Technical Datasheet

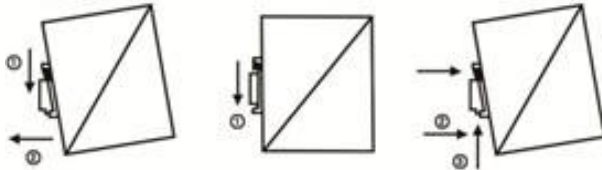
Model	BI8208PE1GF		
Hardware Specifications			
ports	8* 10/100BASE-T RJ45 auto-MDI/MDI-X ports		
	1* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports		
	1* 1000Mbps SFP Slot		
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2		
LED Display	Power Indicator: PWR(green).Network 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		
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

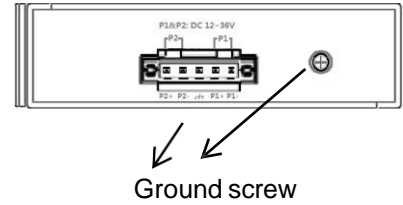


- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection

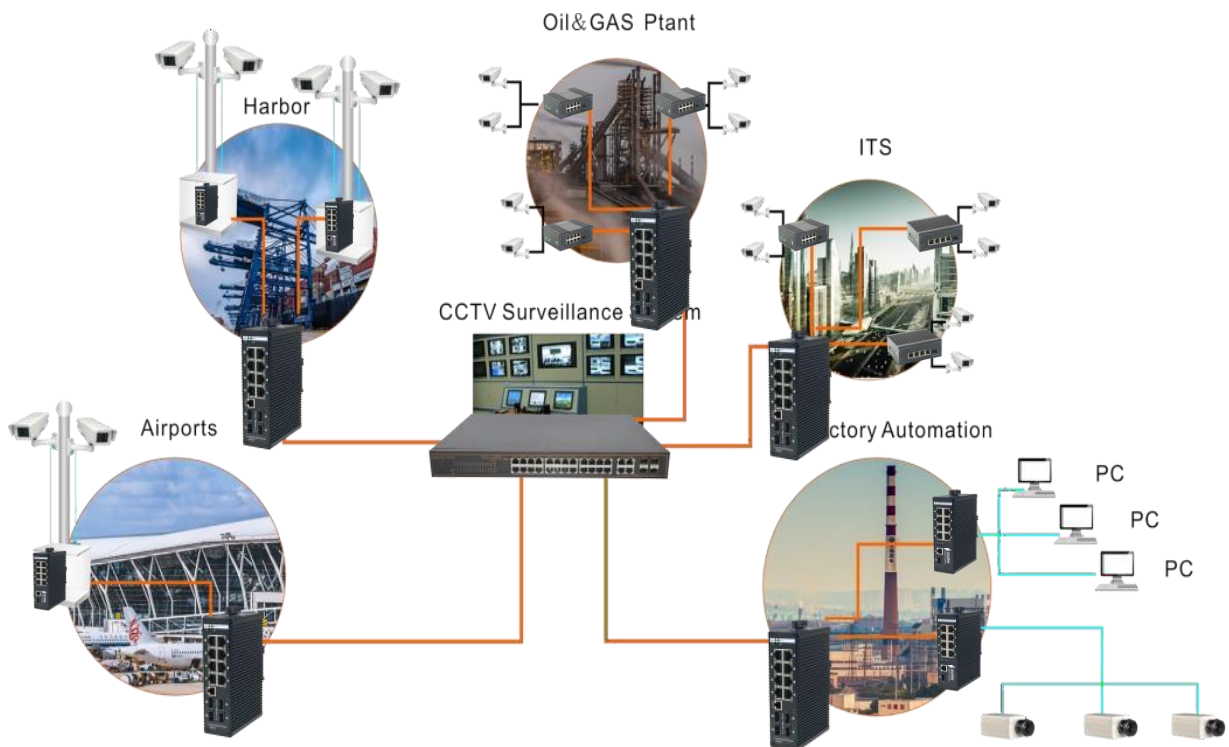


Din-Rail

#### Earth Protection



### Applications



#### Ordering Information

BI8208PE1GF	8 Ports 10/100Mbps Industrial PoE Switch With 1 Gigabit RJ45 and 1G SFP Uplink,Din Rail
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