



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



BI8208PE1GF

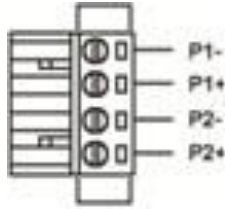
8-Port 10/100Mbps Industrial PoE Switch with 1 Gigabit RJ45 and 1G SFP

Technical Datasheet

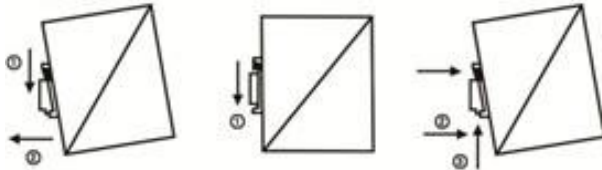
Model	BI8208PE1GF	
Hardware Specifications		
ports	8* 10/100BASE-T RJ45 auto-MDI/MDI-X ports 1* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports 1* 1000Mbps SFP Slot	
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2	
LED Display	Power Indicator: PWR(green).Network Indicator: 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	
PoE Standard	IEEE802.3az EEE	
	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

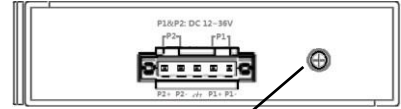


- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



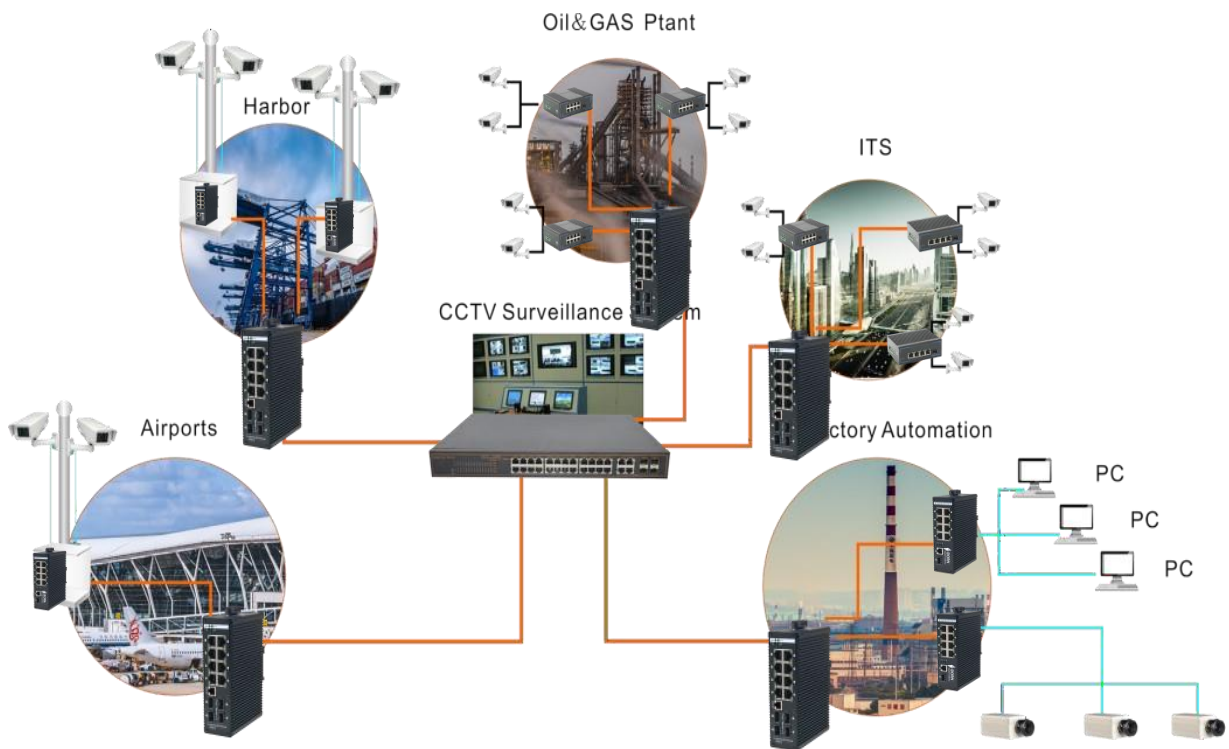
Din-Rail

Earth Protection



Ground screw

Applications



Ordering Information

BI8208PE1GF

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