

BI8204B4PG2F

10-Port Gigabit Industrial PoE Switch

Datasheet



Key Features:

- Ports:** Provide 8*10/100/1000Mbps High Power PoE ports with 2 1000Mbps SFP
- PoE Standard:** IEEE802.3af/at/bt Power over Ethernet (PoE) Compliant
- Self-adaption:** RJ45 port supports 10/100/1000Mbps 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 BI8204B4PG2F 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 (48V~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.

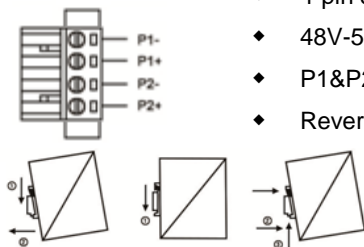


Technical Datasheet

Model	BI8204B4PG2F		
Hardware Specifications			
ports	8* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports		
	2* 1000Mbps SFP Slot		
PoE Port	4* 10/100/1000Mbps POE++ PSE port （1-4 Max 90W）		
	4* 10/100/1000Mbps POE+ PSE port （5-8 Max 30W）		
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		
Thermal Fan	Fanless Design		
Power requirements	48~56V DC		
Installation	DIN-rail kit and wall-mount kit		
Switch Performance	Backplane bandwidth		20Gbps
	Packet forwarding rate		16.86Mpps
	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)	48 x 110 x 150mm (1.89in x 4.33in x5.91in)		
Weight	<0.8Kg		
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		
	IEEE802.3bt Power over Ethernet		
	IEEE802.3az EEE		
PoE Standard	IEEE 802.3af Power over Ethernet/PSE		
	IEEE 802.3at Power over Ethernet Plus/PSE		
	IEEE 802.3bt Power over Ethernet Plus+/PSE		
PoE Supply Type	12/45(+), 36/78(-) 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)		
	Per Port 54V DC, 1650mA. max. 90 watts (IEEE 802.3bt) (1—4Port)		
Environment			
Environment specification	Operating temperature: -30℃~65℃，operating humidity: 5%~95%		
	Storage temperature: -40℃~75℃，storage humidity: 5%~95%		
Warranty	5 Years		

Installation Models

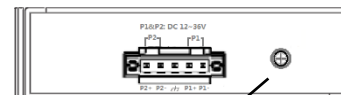
Power Terminal



- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-56VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection

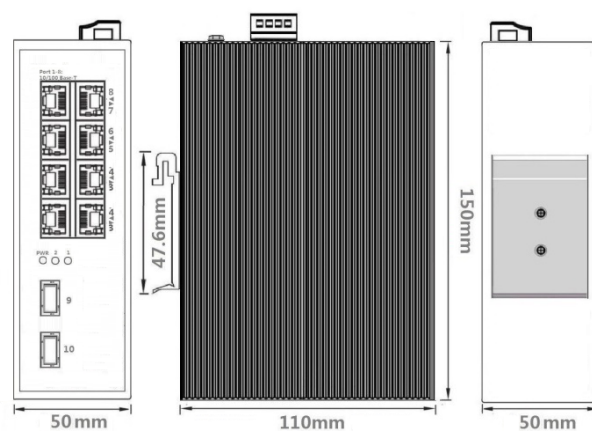
Din-Rail

Earth Protection

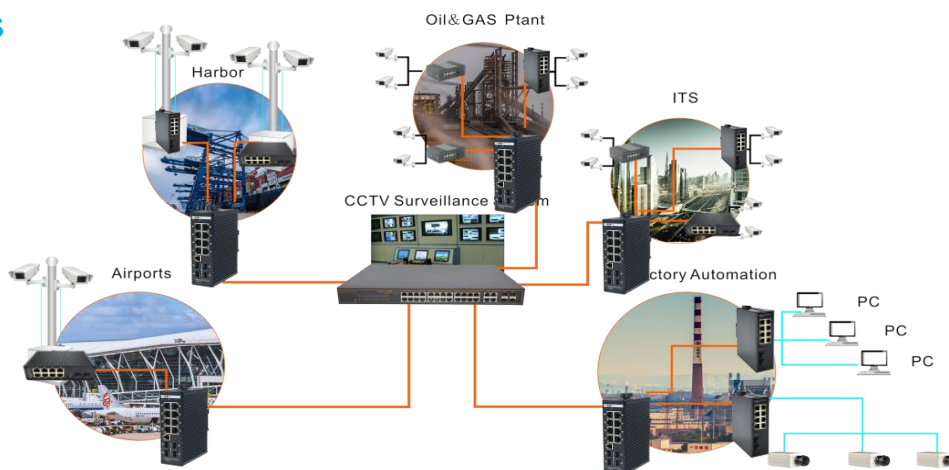


Ground terminal or screw

Mechanical Drawing



Applications



Ordering Information

IES7211-8PGE2GF-4BT

8 Ports 10/100/1000Mbps High Power Industrial unmanaged PoE Switch With 2 SFP, 1-4 Ports support 90W. Din Rail. IEEE802.3af/at/bt



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