BORN
elegant creation

4-Port 10/100/1000Mbps Industrial PoE Switch with 1G RJ45 and 1 SFP

85℃ ☀ ❄ −40℃

DIN Rail

6KV Lightning Protection

BI8204PG1G1F

Key Features:

Ports: Provide 4*10/100/1000Mbps PoE ports with 1 Gigabit RJ45 and 1* 1.25Gbps SFP

PoE Standard: IEEE802.3af/at 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 BI8204PG1G1F can be placed in almost any difficult environment.

Working Temperature -40℃ 85℃ Wide temperature design work well in different harsh 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.

Gigabit SFP Uplink Port

With one SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra-high speed data transferring, Beside the SFP can transmit the date with Max 100Km distance with more economical solution.

BI8204PG1G1F

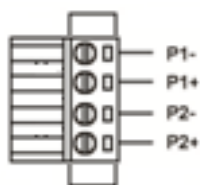## 4-Port 10/100/1000Mbps Industrial PoE Switch with 1G RJ45 and 1G SFP

Technical Datasheet

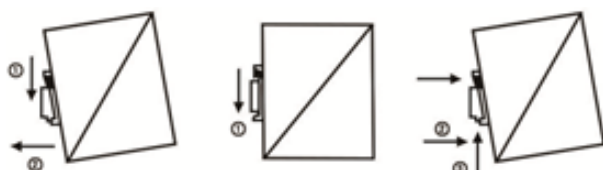| Model	BI8204PG1G1F		
Hardware Specifications			
ports	4* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports with PoE 1* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports 1* 1000Mbps SFP Slot		
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2		
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) SFP: Green		
Power requirements	44~56V DC		
Power Consumption	Less than 3 Watts		
Switch Performance	Backplane bandwidth	20Gbps	
	Packet forwarding rate	8.93Mpps	
	MAC address	8k	
	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)	30 x 90 x 130mm (1.18in x 3.54in x 5.12in)		
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)		
Environment			
Environment specification	Operating temperature: -40℃~85℃，operating humidity: 5％~95％ Storage temperature: -40℃~85℃，storage humidity: 5％~95％		
Warranty	5 Years		

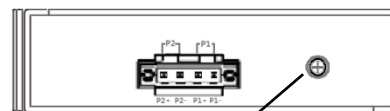## Installation Models

Power Terminal

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

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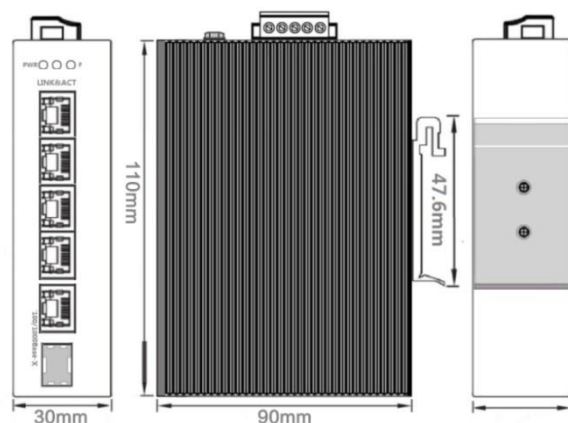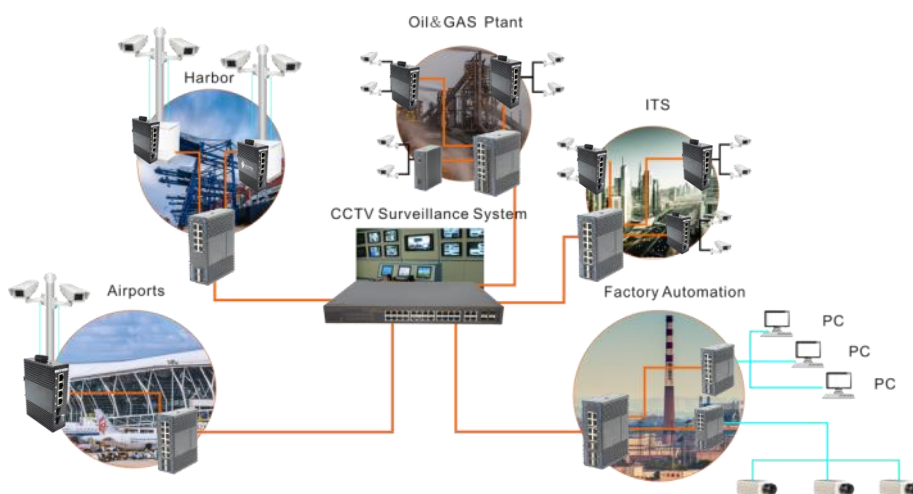- ◆ P1&P2 dual power input
- ◆ Reverse protection

Earth Protection

Ground screw

Din-Rail

Mechanical Drawing

110mm
47.6mm
30mm
90mm

Applications

Oil&GAS Plant
Harbor
ITS
CCTV Surveillance System
Airports
Factory Automation
PC
PC
PC

Ordering Information	
BI8204PG1G1F	4 Ports 10/100/1000Mbps Industrial Unmanaged PoE Swtich With 1G RJ45 and 1G SFP, Din Rail