BORN
elegant creation

BI6204PG1GF

5-Port Gigabit Industrial PoE+Fiber Switch

Datasheet

Key Features:

Ports: Provide 4*10/100/1000Mbps PoE ports with 1*1000Mbps Ethernet and 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 BI6204PG1GF 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 (36V~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.
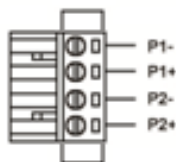
BI6204PG1GF

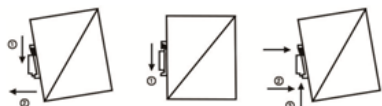## 5-Port 10/100/1000Mbps Industrial PoE Fiber Switch

Technical Datasheet

Model	BI6204PG1GF		
Hardware Specifications			
ports	5*10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports 1*1.25Gbps 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	36~56V DC		
Installation	DIN-rail kit and wall-mount kit		
Switch Performance	Backplane bandwidth		20Gbps
	Packet forwarding rate		8.93Mpps
	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)	38mm*95mm *135mm(1.5in x 3.74in x 4.65in)		
Weight	0.65Kg		
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	65/120W Optional		
Environment			
Environment specification	Operating temperature: -40℃~85℃，operating humidity: 5％~95％ Storage temperature: -40℃~85℃，storage humidity: 5％~95％		
Warranty	5 Years		

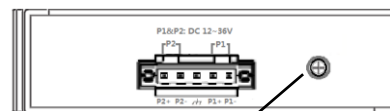## Installation Models

Power Terminal

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

- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-54VDC wide voltage input
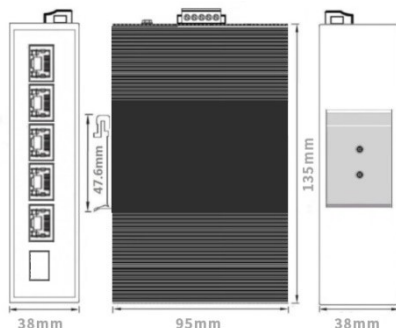- ◆ P1&P2 dual power input
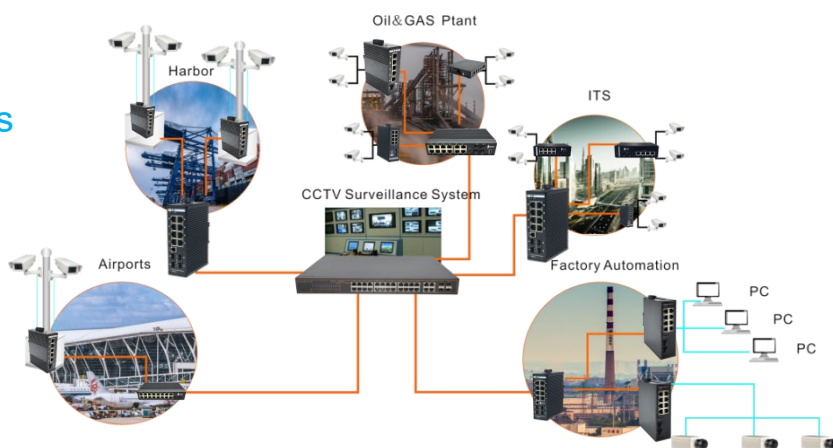- ◆ Reverse protection

Din-Rail

Earth Protection

P1&P2: DC 12~36V

Ground terminal or screw

Mechanical Drawing

47.6mm

135mm

38mm   95mm   38mm

Applications

Oil&GAS Plant

Harbor

ITS

CCTV Surveillance System

Airports

Factory Automation

PC
PC
PC

Ordering Information	
BI6204PG1GF	4 Ports 10/100/1000Mbps Industrial PoE Switch With 1 Ethernet and 1 SFP uplink,Adaptor excluded,Din rail