

BI6204PG1F-SM-20KM

5-Port Gigabit Industrial PoE Switch

Datasheet



Key Features:

- Ports:** Provide 4*10/100/1000Mbps PoE ports with 1* 1.25Gbps SC
- 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 BI6204PG1F-SM-20KM 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~54V 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.



Gigabit SC Uplink Port

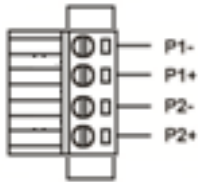
With one SC module available, the SC port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring,

Technical Datasheet

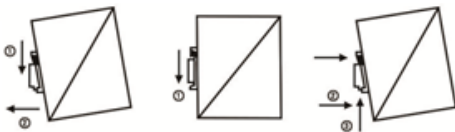
Model	BI6204PG1F-SM-20KM	
Hardware Specifications		
ports	4* 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports 1* 1.25Gbps SC Port single mode ,dual fiber ,20Km	
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2	
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) Fiber: Green	
Power requirements	44~54V DC	
Power Consumption	Less than 3 Watts	
Switch Performance	Backplane bandwidth	20Gbps
	Packet forwarding rate	4.5Mpps
	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)	38 x 95 x 135mm (1.5in x 3.74in x 4.65in)	
Weight	0.35Kg	
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)	
Environment		
Environment specification	Operating temperature: -40°C~85°C , operating humidity: 5%~95%	
	Storage temperature: -40°C~85°C , storage humidity: 5%~95%	
Warranty	5 Years	

Installation Models

Power Terminal

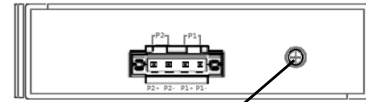


- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



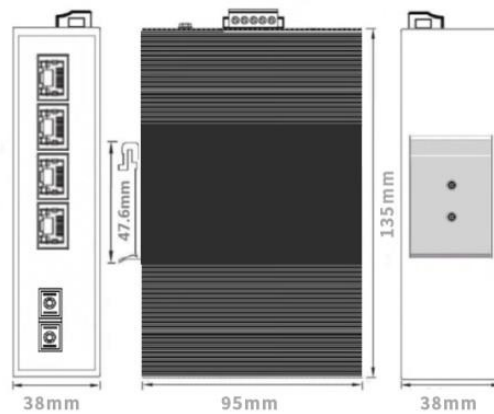
Din-Rail

Earth Protection

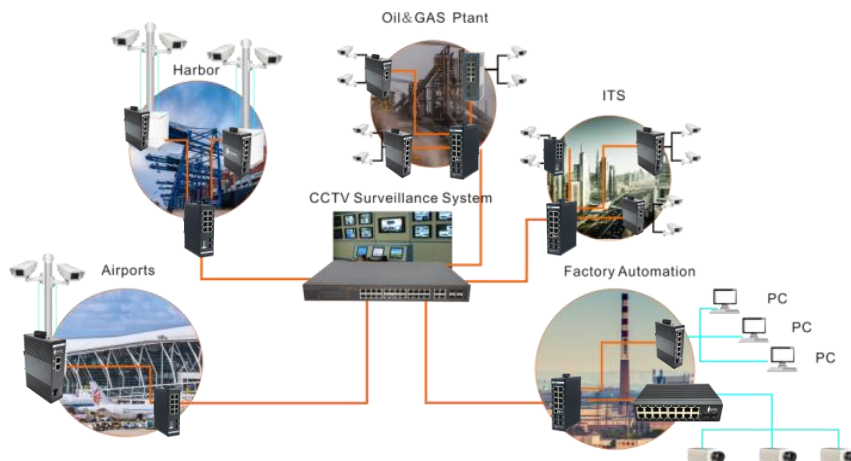


Ground screw

Mechanical Drawing



Applications



Ordering Information

BI6204PG1F-SM-20KM	4 Ports 10/100/1000Mbps Industrial Unmanaged PoE Switch With 1Gigabit SC, Din Rail
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337 Forest Road
London, United Kingdom



+44 7859 571344



Info@bornelectronics.com



https://bornelectronics.com