



5-Port 10/100/1000Mbps

Industrial Switch with 1 SFP



BI6204G1GF

### Key Features:

**Ports:** Provide 5\*10/100/1000Mbps Ethernet ports with 1 1000Mbps SFP

**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 BI6204G1GF 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 (12V~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  $\pm 8\text{KV}$  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.



### 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 transmitte the date with Max 100Km distance with more economic solution

# BI6204G1GF

## 5-Port 10/100/1000Mbps Industrial Switch with 1 SFP

### Technical Datasheet

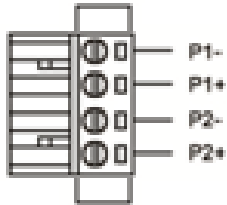
Model	BI6204G1GF		
Hardware Specifications			
ports	5 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports		
	1 1000Mbps SFP Slot		
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for Power 2		
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) SFP: Green		
Power requirements	12~54V DC		
Power Consumption	Less than 3Watts		
Power Connector	Removable 4-pin terminal block,Pin 1/2 for Power 1; Pin 3/4 for Power 2		
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)	30 x 95 x 125mm (1.18in x 3.74in x 4.92in )		
Weight	0.65Kg		
Standards Conformance			
Network standard	IEEE 802.3 10Base-T		
	IEEE 802.3u 100Base-Tx		
	IEEE 802.3ab 1000Base-T		
	IEEE 802.3x Full-Duplex Flow Control		
	IEEE 802.3z 1000Base-X		
Stability Testing	FCC CFR47 Part 15, EN55022/CISPR22, Class A		
	EMS:		
	IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)		
	IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)		
	IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV		
	IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV		
	IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)		
	IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)		
	IEC 60068-2-32 (free fall)		
	IEC 60068-2-27 (shock)		
IEC 60068-2-6 (vibration)			
Environment			
Environment specification	Operating temperature: -40℃~85℃ , operating humidity: 5%~95%		
	Storage temperature: -40℃~85℃ , storage humidity: 5%~95%		
Warranty	5 Years		

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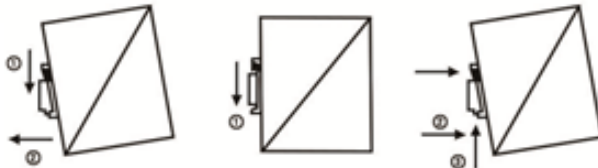
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### Installation Models

#### Power Terminal

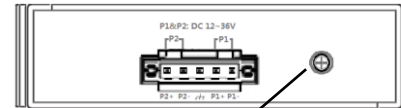


- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-54VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



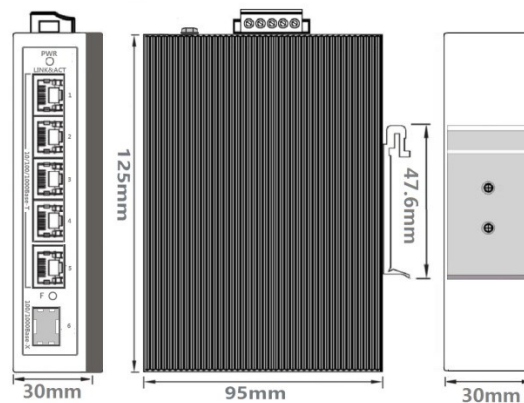
Din-Rail

#### Earth Protection

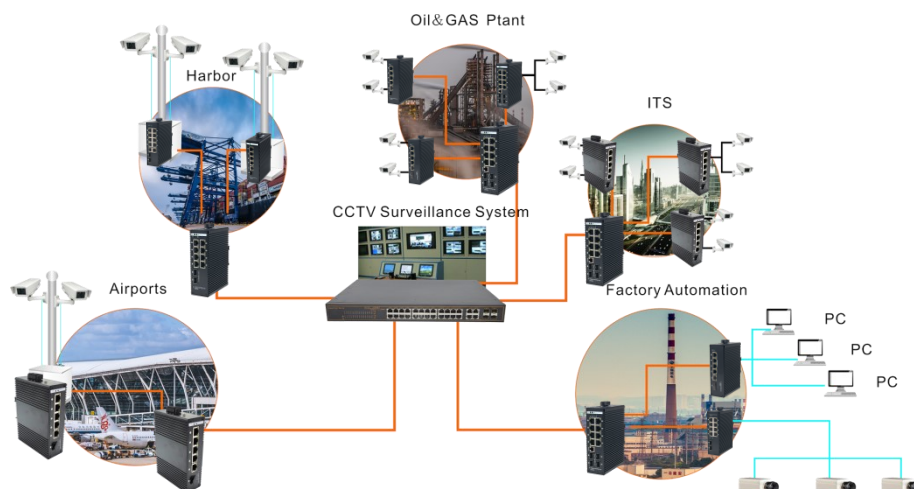


Ground terminal

### Mechanical Drawing



### Applications



#### Ordering Information

IBI6204G1GF

5 Ports 10/100/1000Mbps Industrial Ethernet switch With 1G SFP Uplink, Din rail type.