



## 7 ports full gigabit Industrial PoE Switch BI804PG1D2F series

### ❖ Overview

The BI804PG1D2F is a 7-port, full gigabit industrial PoE switch that supports up to 4 \*10/100/1000M PoE downlink ports, 1\*10/100/1000M uplink ports and 2\*1000M SFP ports. 4\*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard.

It provides two modes, Default and VLAN, adapt to various complex environments. At the same time, support PoE auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering.

It has the characteristics of reliable work, strong and durable, high performance and so on. It can be used in security network video monitoring system, network engineering and other occasions.

### ❖ Picture



### ❖ Features

- ❖ With 4\*10/100/1000M PoE downlink ports, 1\*10/100/1000M uplink ports, and 2\*1000M SFP ports, and it supports 4 ports PoE power each up to 30W;
- ❖ Provides two modes of Default and VLAN to adapt to various complex environments;
- ❖ Supports PoE Auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering ;
- ❖ Support 6KV surge protection, 8KV contact / 15KV air ESD protection ;
- ❖ Supports relay alarm for power off, network broken, PoE off ;
- ❖ Supports working temperature -40°C ~ 75°C .



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## ❖ Specifications

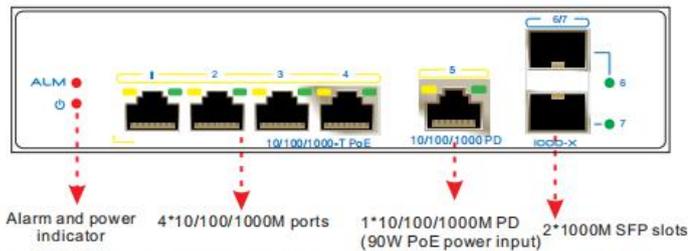
Parameter	Specifications
Power supply	Powered by power adaptor
Range of voltage	DC 48~57V
Consumption	Self consumption<5W
Downlink ports	Ports 1~4 10/100/1000Base-T 30W PoE RJ45(IEEE802.3af/at)
Uplink ports	Port 5: 10/100/1000 Base-T 90W PoE RJ45; Ports 6~7 1000 SFP slots
PoE Auto-check	If detect the frozen PD device, restart it
Working mode	Default mode: normal switch mode. VLAN mode: ports 1~4 are isolated from each other and can only communicate with the uplink port; restrain the network storm; turn off the flow control.
Cable and distance	Use cat5e/6,100m max(Extend mode max.250m)
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	14Gbps
Though put	10.42Mpps
Buffer	1M
MAC address table	8K
Indicator	Power: 1 *red ; Uplink5~7: On RJ45 yellow and green LEDs indicate Link/Act Downlink 1~4: On RJ45 green LEDs indicate Link/Act , yellow LEDs indicate PoE
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 8KV: contact / 15KV: air,standard:IEC61000-4-2
Working temperature	-40℃~75℃
Storage temperature	-40℃~85℃
Humidity	0~95%(No condensation)
Dimension(L×W×H)	165mm×115 mm×50mm
Material	Metal
Colour	Black
Net-weight	500g



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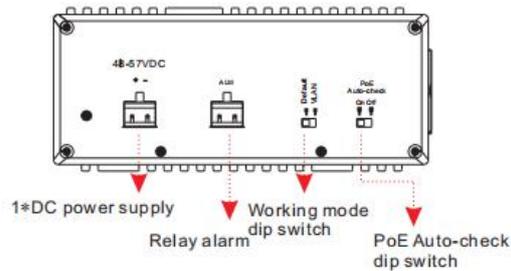
## ❖ Panel diagram

### ● Front panel



**Attention 1:** This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

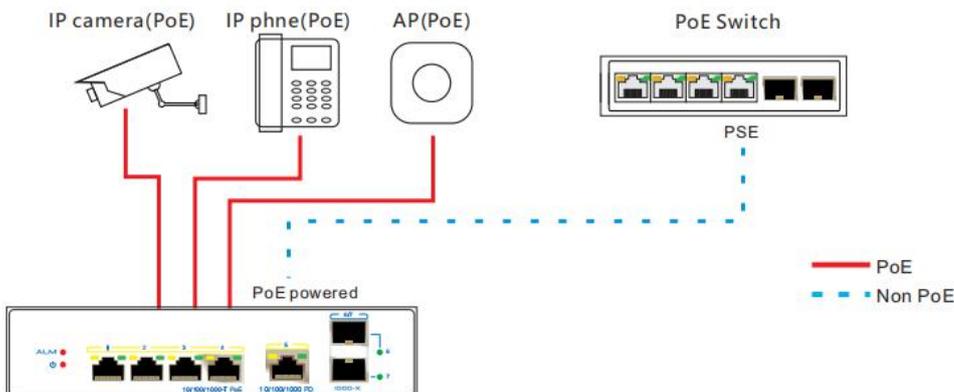
### ● Left panel



**Attention 2:**  
Default, VLAN mode: It can be selected by dip switch.  
Default mode: normal switch mode.  
VLAN: ports 1 ~ 4 are isolated from each other and can only communicate with the uplink port; restrain the network storm; turn off the flow control.

**Attention 3:**  
POE Auto-check: PoE Auto-check function is open/ closed by dip switch.  
The switch always auto detect 1~4 ports whether frozen, if some ports are frozen, the switch will restart them, but other ports are unaffected.

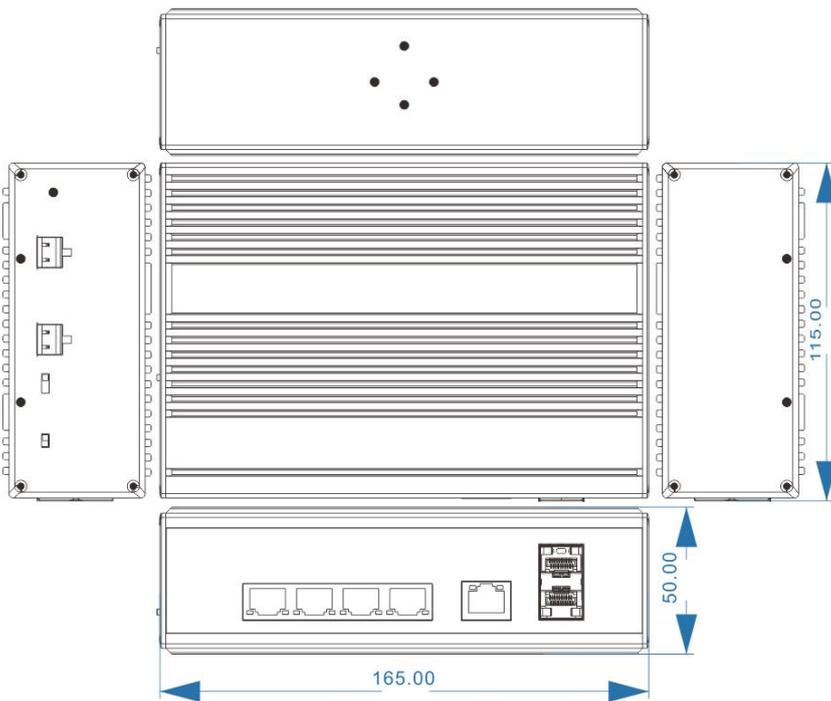
## ❖ Application





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## ❖ Dimensions



## ❖ Order information

Model	Description
BI804PG1D2F	With 4*10/100/1000M PoE downlink ports, 1*10/100/1000M uplink ports, and 2*1000M SFP ports; 2*DC48-57V power supply(Power adaptor buy extra); Provides two modes of Default and VLAN to adapt to various complex environments; Supports the PoE Auto-check function.