6 ports Industrial PoE Switch
BI604PE2F series

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❖ Overview

The BI604PE2F is a 6-port, industrial PoE switch that supports up to 4 *10/100M PoE ports and 2*1000M uplink ports. 4 *10/100M ports support PoE+, conforming to IEEE 802.3af/at standard.

It provides three modes of Extend, Default and VLAN to adapt to variety 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 supports wall hanging and desktop installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.

❖ Picture

❖ Features

- ✧ With 4*10/100M PoE downlink ports and 2*1000M uplink ports;
- ✧ Provides three modes of Extend, Default and VLAN to adapt to various complex environments;
- ✧ 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;
- ✧ Supports 6KV surge protection, 6KV contact / 8KV air ESD protection;
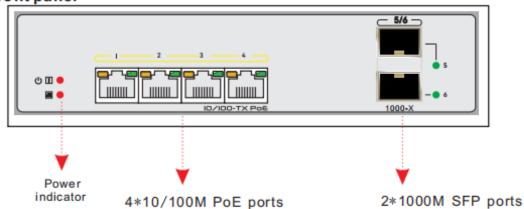- ✧ Supports working temperature -30℃~-65℃.

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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 10/100Base-TX 30W PoE RJ45(IEEE802.3af/at)
Uplink ports	5~6 1000Base-X SFP ports
PoE Auto-check	If detect the frozen PD device, restart it
Working mode	Extend mode: ports 1 ~ 4 Extend up to 250m; 1 ~ 4 ports are isolated from each other and can only communicate with the uplink ports; restrain the network storm; turn off the flow control. Default mode: normal switch mode. VLAN mode: ports 1 ~ 4 are isolated from each other and can only communicate with the upper 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	4.8Gbps
Though put	3.6Mpps
Buffer	1M
MAC address table	8K
Indicator	Power: 1 *red; Uplink1~4: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE Downlink 5~6: On RJ45 green and LEDs indicate Link/Act
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 6KV: contact/8KV: air, standard:IEC61000-4-2
Working temperature	-30℃~65℃
Storage temperature	-40℃~85℃
Humidity	0~95%(No condensation)
Dimension(L×W×H)	165mm×115 mm×50mm
Material	Metal
Color	Black
Net-weight	500g

❖ **Panel Diagram**

● **Front panel**
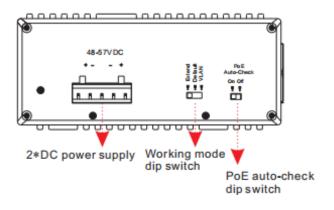

Power indicator
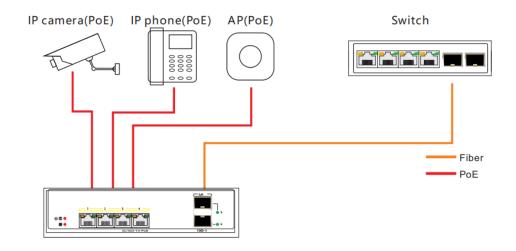
4*10/100M PoE ports

2*1000M SFP ports

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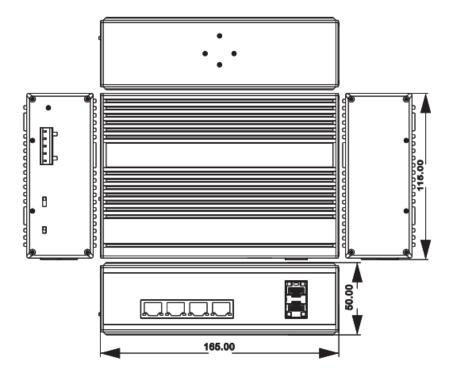
● **Left panel**

2*DC power supply

Working mode dip switch

PoE auto-check dip switch

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❖ Application

❖ Dimensions

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❖ Order information

Model	Description
BI604PE2F	With 4*10/100M PoE downlink ports and 2*1000M uplink ports; 2*DC48-57V power supply, redundancy power; Provides three modes of Extend, Default and VLAN to adapt to various complex environments; Support PoE Auto-check function; Support Din-rail, wall, desktop installation.

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WARRANTY:
2 YEARS (EXPANDABLE UPTO 4 YEARS)