



6 ports full gigabit managed Industrial PoE Switch BI804PGM2Fseries

❖ Overview

BI804PGM2F is a 6-port full gigabit industrial managed PoE switch that supports up to 4*10/100/1000M PoE downlink ports, 2* 1000M SFP ports. 4*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard.

It supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management.

It supports 6KV surge protection, 8KV contact/15KV air ESD protection.

It supports wall hanging, desktop and Din-rail installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.

❖ Picture



❖ Features

- ❖ With 4*10/100/1000M PoE downlink ports, 2*1000M SFP ports, with L2 network management;
- ❖ Support 4 port PoE power each up to 30W;
- ❖ Support L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management;
- ❖ 6KV surge protection, 8KV contact /15KV air ESD protection;
- ❖ Support 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<20W	
Downlink ports	1~4 10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)	
Uplink ports	Ports 5~6 1000M SFP slots	
Cable and distance	Use cat5e/6,100m max	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z	
Switch fabric	14Gbps	
Though put	10.4Mpps	
Buffer	1M	
MAC address table	8K	
Indicator	Power: 2 *red ;	
	Uplink 5~6: 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)	165 mm×115 mm×50mm	
Material	Metal	
Color	Black	
Net-weight	500g	
L2 Features	Port configuration	Auto-negotiation
		Flow Control
		Port Mirror
		Traffic statistics



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L2 Features	Link Aggregation	Static link aggregation
		LACP
		Algorithm based on Source/Destination MAC
		Algorithm based on Source/Destination IP
		8 groups
		8 ports per group
	MAC Table	Aging Time
		Static MAC address
		Dynamic MAC address management
	VLAN	4K Active VLANs
		4K VID
		802.1Q Tag VLAN
		Port VLAN
		Protocol VLAN
		MAC VLAN
		Management VLAN
		Voice VLAN
		Q-in-Q
		Private VLAN
		GARP/GVRP
		ACL
	L2, L3 e L4	
	Time-based ACL	
	Spanning tree	802.1D Spanning Tree Protocol (STP)
		802.1w Rapid Spanning Tree Protocol (RSTP)
		802.1s Multiple Spanning Tree Protocol (MSTP)
		Loop Guard
		Root Guard
TC-BPDU Guard		
BPDU Guard		
BPDU Filter		



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L2 Features	Multicast	256 groups
		IGMP v1/v2/v3
		Fast Leave
		Multicast VLAN
		Static Multicast
		Multicast Filter
		IGMP Statistics
		MLD Snooping
	PoE management	Support total power consumption control
		Support single port PoE ON/OFF
		Support port output priority
	QOS	4 priority queues
		CoS port-based
		CoS 802.1p-based
		CoS DSCP-based
Scheduling algorithms SP, WRR, SP+WRR		
Storm Control (Broadcast, Multicast, Unknown Unicast)		
	Bandwidth control per port	
Security Features	Port Security	
	MAC address filter	
	ARP Association (Manual, ARP scanning, DHCP snooping) up to 200 entries	
	ARP Protection	
	DoS (Denial of Service)	
	Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type	
	802.1x Authentication (port-based e MAC-based)	
	TACACS/TACACS+ authentication	
	RADIUS authentication	
	DHCP Filter	
	Guest VLAN	
SSLv2/SSLv3/TLSv1		



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Security Features	SSHv1/SSHv2
	Restriction of WEB access based on: IP Address, And. MAC and Port
	Port Isolation
	Local User Name Password Authentication (2 levels)
	Loopback detection
Management	SNMP v1/v2c/v3
	RMON 4 groups
	WEB (HTTP/HTTPS)
	CLI (Telnet, Console, SSHv1/v2)
	Firmware upgrade via console/web/TFTP
	Configuration Backup/Reload
	All possible configurations in the CLI must exist in the WEB interface
LLDP	
Other Features	DHCP Relay
	DHCP Client
	DHCP Snooping
	DHCP Option 82
	SNTP Client
	BOOTP Client
Maintenance	Ping and Tracert
	System log (Local and Remote)
	Memory and CPU Monitoring

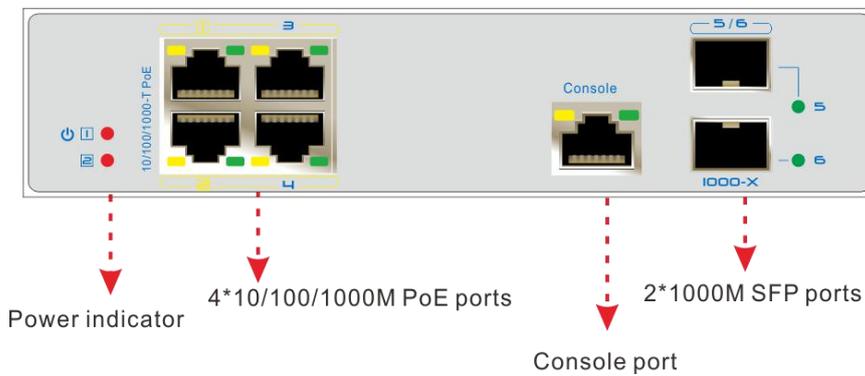


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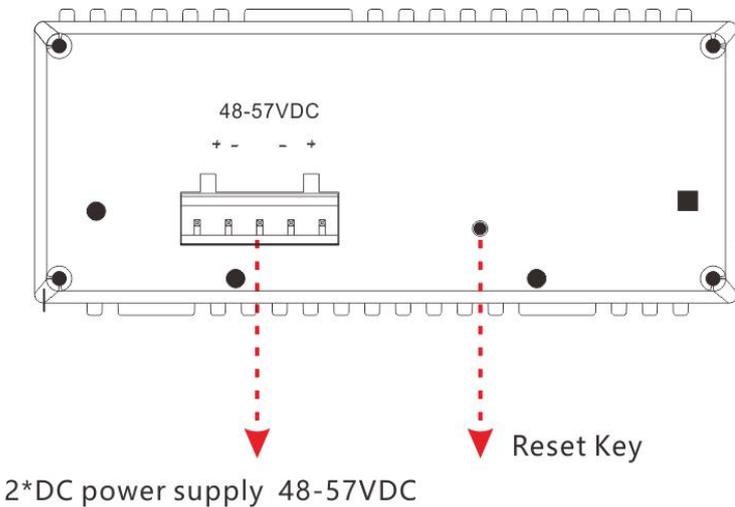
❖ Panel diagram

Front Panel

● Front panel



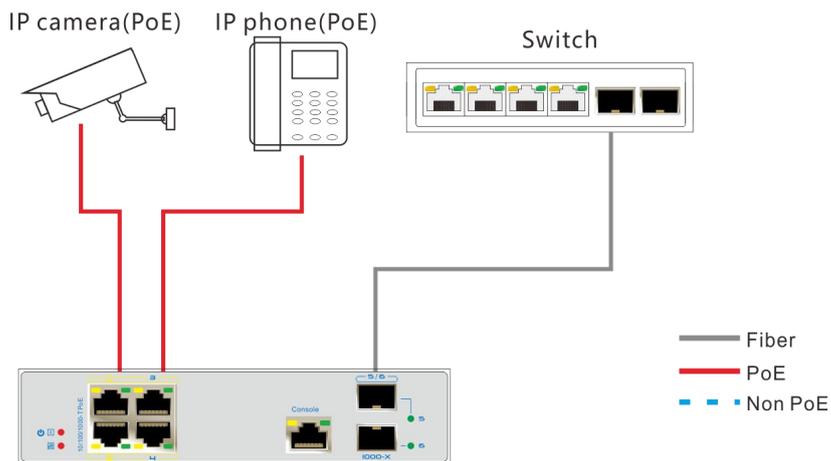
Back Panel



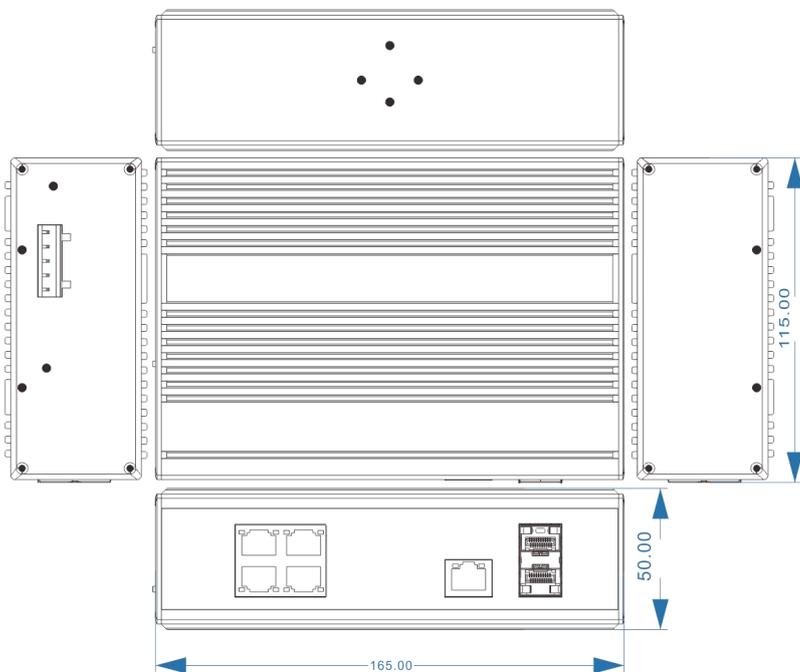


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❖ Application



❖ Dimensions





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❖ Order information

Model	Description
BI804PGM2F	4*10/100/1000M PoE ports, 2*1000M SFP ports, 2*48~57V DC; Support L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management; 6KV surge protection, 8KV contact /15KV air ESD protection.
BI804GM2F	8*10/100/1000M ports, 2*1000M SFP ports; 2*12~60VDC; Support L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management; 6KV surge protection, 8KV contact /15KV air ESD protection.

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WARRANTY:

2 YEARS (EXPANDABLE UPTO 4 YEARS)

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