

***** Overview

BI912PGM4F is a 16-port full gigabit industrial managed PoE switch that supports up to 12*10/100/1000M PoE downlink ports, 4* 1000M SFP ports. 12*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard, PoE power each port up to 30W.

It supports L3 management, such as OSPF, RIP, 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.

Pictures



***** Features

- ♦ With 12*10/100/1000M PoE downlink ports, 4*1000M SFP ports;
- Support PoE power each up to 30W;
- ♦ Support L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management;
- ♦ 6KV surge protection, 8KV contact /15KV air ESD protection;
- ♦ Support working temperature -40 $^{\circ}$ C ~75 $^{\circ}$ C.



***** Specifications

Parameter	Specifications
Power supply	Powered by power adaptor
Range of voltage	2*DC 48~57V, redundancy power supply
Consumption	Self-consumption<20W
Downlink ports	10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)
Uplink ports	Ports 13~16 1000M SFP slots
Cable and distance	Use cat5e/6,100m max
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	32Gbps
Though put	23.8Mpps
Buffer	4M
MAC address table	16K
Indicator	Power: 2 *red ;
Protection	Surge: 6KV, standard: IEC61000-4-5
Working temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Humidity	0~95%(No condensation)
Dimension(L×W×H)	165 mm×114 mm×46mm
Material	Metal
Color	Black
Net-weight	530g

Software:

	Port configuration	Auto-negotiation
		Flow Control
		Port Mirror
		Traffic statistics
LO Footures	Link Aggregation	Static link aggregation
L2 Features		LACP
		Algorithm based on Source/Destination MAC
		Algorithm based on Source/Destination IP
		8 groups
		8 ports per group



		Aging Time
	MAC Table	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
		64 ACLs
	ACL	L2, L3 e L4
L2 Features		Time-based ACL
		802.1D Spanning Tree Protocol (STP)
		802.1w Rapid Spanning Tree Protocol (RSTP)
		802.1s Multiple Spanning Tree Protocol (MSTP)
	Coopping trop	Loop Guard
	Spanning tree	Root Guard
		TC-BPDU Guard
		BPDU Guard
		BPDU Filter
		256 groups
	Multicast	IGMP v1/v2/v3
		Fast Leave
		Multicast VLAN
		Static Multicast
		Multicast Filter
		IGMP Statistics



		Support total power consumption control		
	PoE management	Support single port PoE ON/OFF		
L2 Features		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		
	Port Security			
	MAC address filter			
	ARP Association (Manu	ual, 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 Typ			
	802.1x Authentication (port-based e MAC-based)			
	TACACS/TACACS+ Authentication			
Security Features	RADIUS Authentication			
	DHCP Filter			
	Guest VLAN			
	SSLv2/SSLv3/TLSv1			
	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			
	SNMP v1/v2c/v3			
	RMON 4 groups			
	WEB (HTTP/HTTPS)			
	CLI (Telnet, Console, SSHv1/v2)			
Management	Firmware upgrade via o	Firmware upgrade via console/web/TFTP		
	Configuration Backup/Reload			
	All possible configurations in the CLI must exist in the WEB interface			
	LLDP			

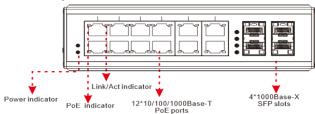


	DHCP Relay
0" 5 1	DHCP Client
	DHCP Snooping
Other Features	DHCP Option 82
	SNTP Client
	BOOTP Client
	Ping and Tracert
Maintenance	System log (Local and Remote)
	Memory and CPU Monitoring
	Static Routing
L3 Features	OSPFv2
Lo realures	RIPv1/v2
	DHCP Server
	IPv6 neighbor discovery (ND)
	Path maximum transmission unit (MTU) discovery
	Internet Control Message Protocol (ICMP) version 6
	TCPv6/UDPv6
	Ping6
IPV6	Tracert6
	Telnet(v6)
	Http/Https
	IPv6 TFTP
	Static Routing
	Interface IPV6



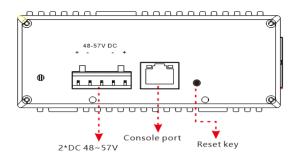
❖ Panel diagram

Front panel

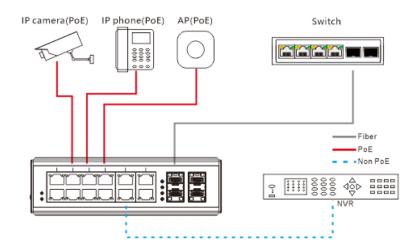


Attention 1:This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

Left panel

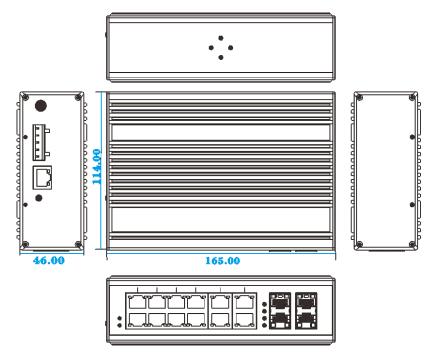


* Application





Dimensions



***** Order information

Model	Description
BI912PGM4F	12*10/100/1000M PoE ports, 4*1000M SFP ports,
	1~16 port support 30W; 2*48~57VDC;
	Support L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management;
	6KV surge protection, 8KV contact /15KV air ESD protection.

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2 YEARS (EXPANDABLE UPTO 4 YEARS)

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