

# BIQ802B6PGM2F4LC 200W(90/30W) Datasheet

## Outdoor PoE Switch Series

### Ideal for:



Telecom



Hotels & Resorts



Universities



Healthcare



Public Places



Airport



Transport



Industries

### Overview

BIQ802B6PGM2F4LC 200W(90/30W) is an outdoor PoE switch. It is integrated of PoE switch, optical fiber tray, air breaker, lightning arrester etc. It has IP55 protection grade, can be for outdoor using. 4-channel SC connector single mode optical fiber tray.

It can be applied for surveillance monitoring, forest monitoring, etc.



## FEATURES

- AC220V mains power input, 200W DC52V power module inside
- With 8\*10/100/1000M PoE downlink ports and 2\*1000M SFP uplink ports
- With L2 network management
- Supports 2 Port PoE 90W, 6 Ports each up to 30W
- Supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast
- Supports port management and PoE management
- 6KV surge protection, 6KV contact / 8KV air ESD protection
- The box adopts waterproof (protection level IP55)
- Anti-rust treatment, suitable for long time outdoor use

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### ❖ Hardware specification

Parameter	Specifications
Power supply	AC100-240V, 50/60Hz
Consumption	Self-consumption<15W, PoE output 185W max
Downlink ports	1~2 ports: 10/100/1000Base-T 90W, 3-8 ports: 10/100/1000Base-T 30W PoE RJ 45
Uplink ports	Ports 9~10 1000Base-X SFP
Console port	RJ45 to serial port (38400,8,N,1)
Reset key	Short press restart , > 5s press recovery to default
Cable and distance	Use cat5e/6, 100m max.
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	20Gbps
Through put	14.88Mpps
Buffer	1M
MAC address table	8K
Indicator	Power: 1 *red ; Downlink 1~8: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE Uplink9, 10: On RJ45 green LEDs indicate Link/Act
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 6KV: contact 8KV: air, standard:IEC61000-4-2
SPD	AC lightning arrester, 385v AC@20KA , 2p, - 40 ~ 70 °C, lower incoming line, dxh06-fcs / 2r40
Working temperature	-20°C~65°C
Storage temperature	-40°C~85°C
Humidity	0~95%(No condensation)
Dimension(L×W×H)	280mm×200mm×260mm
Material	Metal
Colour	White
Net-weight	8KG

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Software:

L2 Features	Port configuration	Auto-negotiation
		Flow Control
		Port Mirror
		Traffic statistics
	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	64 ACLs
		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

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	Multicast	BPDU Filter
		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	
	SSHv1/SSHv2	
	Restriction of WEB access based on: IP Address, And. MAC and Port	
	Port Isolation	

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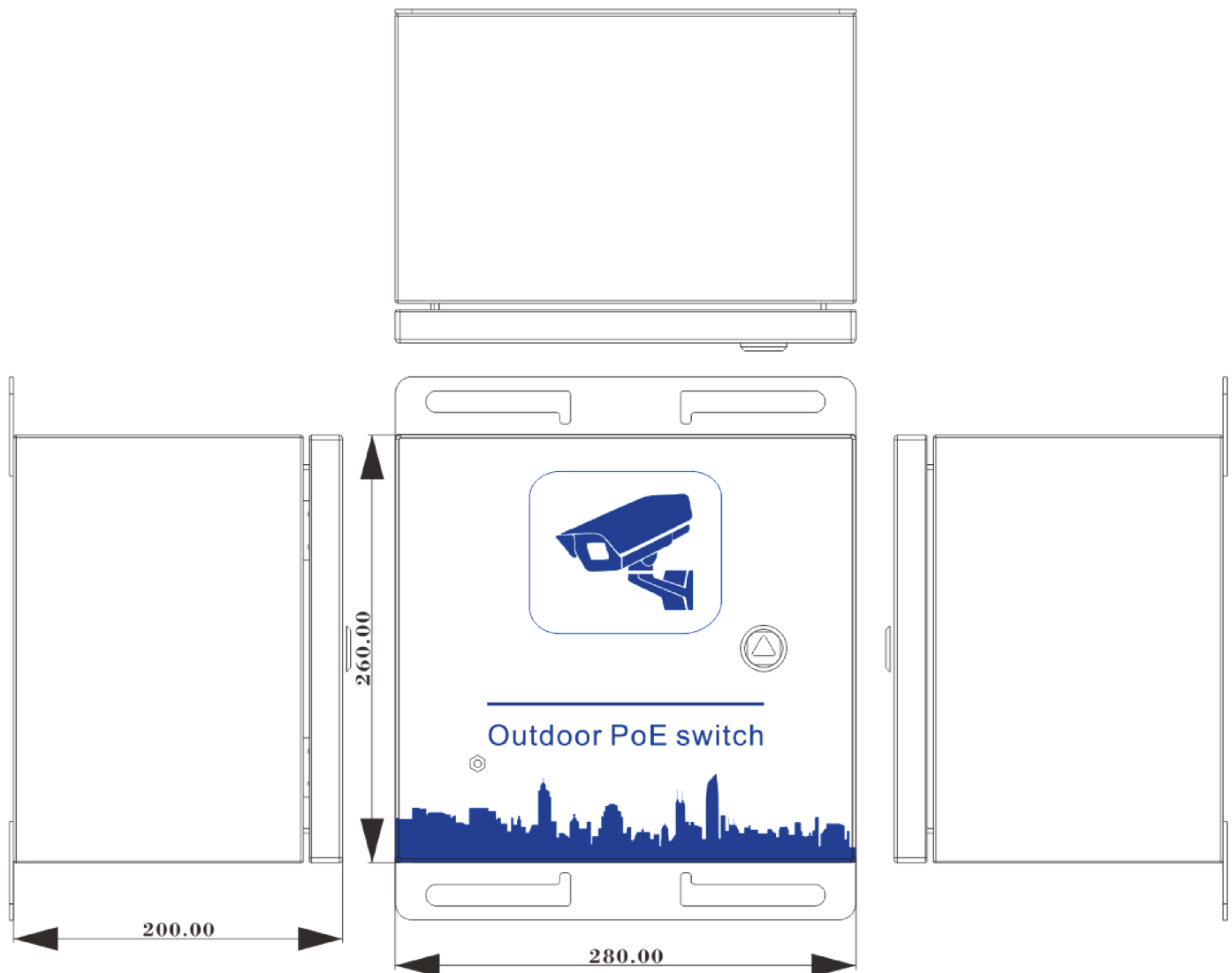
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	Local User Name Password Authentication (2 levels)
	Loopback detection
Management	SNMP v1/v2c/v3
	RMON 4 grupos
	WEB (HTTP/HTTPS)
	CLI (Telnet, Console, SSHv1/v2)
	Firmware upgrade via console/web/TFTP
	Configuration Backup/Reload
	All possible configurations 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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### ❖ Structure

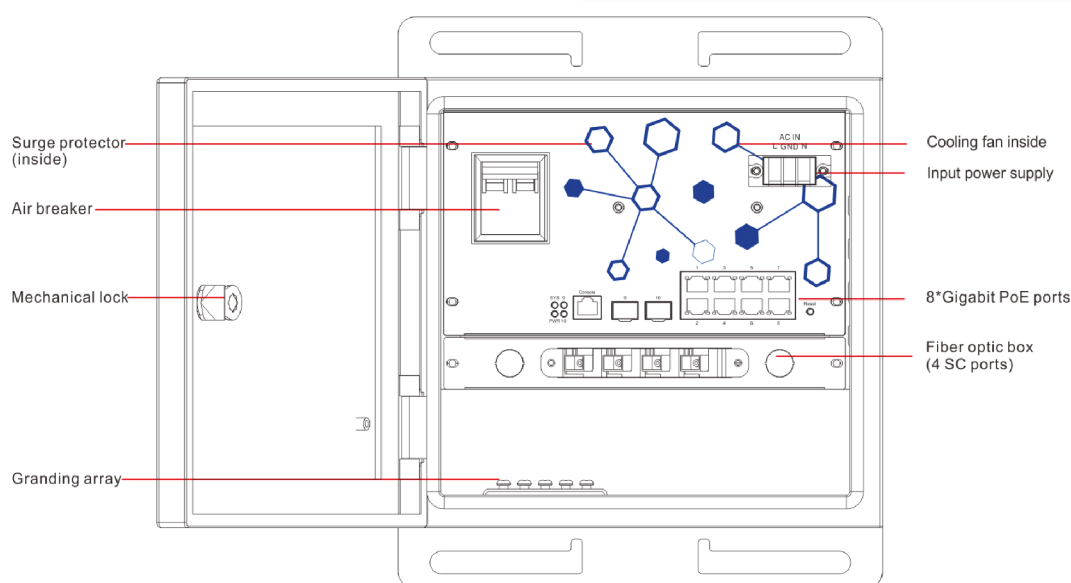


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## Outdoor PoE Switch Series



### ❖ Ordering information

version	describe
BIQ808PGM2F4SC- 200W(30W)	<p>Outdoor PoE switch</p> <p>AC 100~240V, 50/60Hz, 10A IN;</p> <p>4-channel SC connector single mode optical fiber tray.</p> <p>With 8 *10/100/1000M PoE ports and 2*1000M SFP ports;</p> <p>Support 8 ports PoE power each up to 30W;</p> <p>It has 200W built-in power supply, L2 network management.</p>



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