

BC2224PGM4GCF-500W

24Ports Gigabit Managed PoE Switch

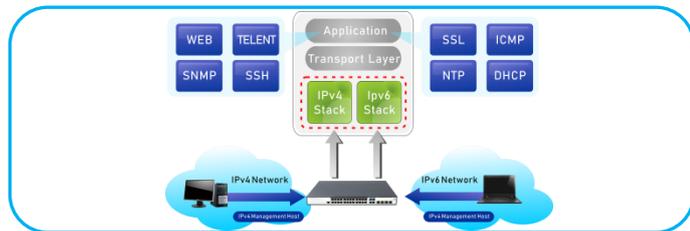


Key Features:

- Ports:** Provide 24*10/100/1000Mbps PoE ports and 4 *1000Mbps Combo Uplink, 1 Console port
- PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant
- Total Power:** Total power budget of 500W and 30W for all single PoE ports
- Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
- Managed:** Support remote web managed, VLAN and storm control and IPV6 management etc.
- Wide Application:** Designed for Wifi AP and IP Security camera. VoIP etc
- Surge protection:** Protect the device from lightning surges and others electrical hazards
- Considerate Design:** Rack mount installation
- Easy to use:** Plug and play, No configuration required

Versatile PoE Port

Featuring 24* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 4 * 1000Mbps RJ45 and 4 Gigabit SFP ports. the PoE switch provides Maximum power budget of 500W and 30W for single PoE ports sepectively, allowing users to have several different Networking products configured

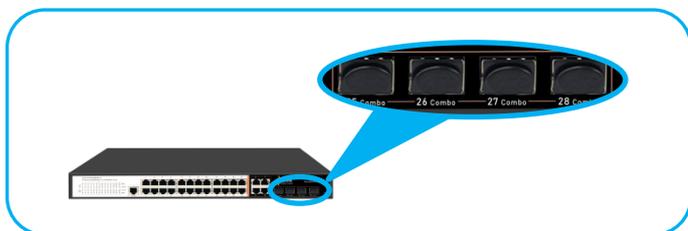
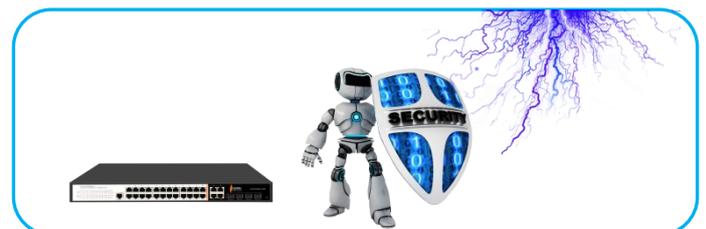


Cost-effective IPv6 Managed Gigabit PoE Switch Solution

With full layer 2+ managed Gigabit PoE Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.

Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.



4 Gigabit SFP Uplink Port

With 4 SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

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Technical Datasheet

Model	BC2224PGM4GCF-500W	
Hardware Specifications		
Connector	24 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4 1000 Base-X SFP Slots 1 Console port	
PoE Port	24 10/100/1000Mbps POE PSE port	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Thermal Fan	2 Fans	
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	64Gbps
	Packet forwarding rate	47.61Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	440mm x 290mm x 44.5mm(17.32in x 11.42in x 1.75in)	
Weight	4.5kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000BASE-T	
	IEEE802.3x Flow Control	
	IEEE802.3af Power over Ethernet	
	IEEE802.3at Power over Ethernet	
	IEEE802.3az EEE	

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PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power budget	500W

Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol
IGMP Snooping	IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL
PoE Management	Open or close port Standard POE scheduling management Power and current display Automatic restarting function of equipment dead machine Timing Support IP bindings restarting
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR

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Security	IEEE 802.1X port-based authentication
	Built-in RADIUS client to co-operate with RADIUS server
	RADIUS / TACACS+ user access authentication
	IP-MAC port binding
	MAC filtering
	Static MAC address
	DHCP Snooping and DHCP Option82
	STP BPDU guard, BPDU filtering and BPDU forwarding
	DoS attack prevention
	ARP inspection
IP source guard	

Management Function

Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3
	Firmware upgrade by HTTP / TFTP protocol through Ethernet network
	Remote / Local Syslog, System log, LLDP protocol, SNTTP

Secure Management Interfaces	SSH, SSL, SNMP
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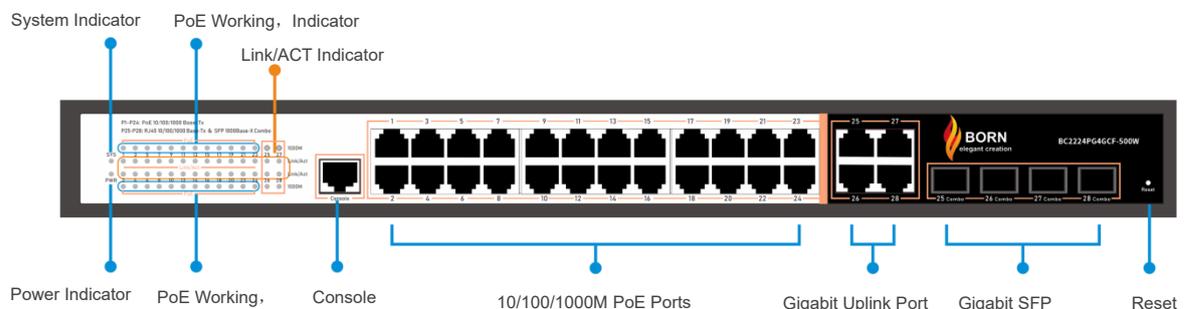
SNMP MIBs	RFC 1213 MIB-II
	RFC 1215 Generic Traps
	RFC 1493 Bridge MIB
	RFC 2674 Bridge MIB Extensions
	RFC 2737 Entity MIB (Version 2)
	RFC 2819 RMON (1, 2, 3, 9)
	RFC 2863 Interface Group MIB
RFC 3635 Ethernet-like MIB	

Environment

Safety	FCC Part15 Class A, CE, RoHS
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Environment specification	Operating temperature: -10°C~45°C, operating humidity: 10%~90%
	Storage temperature: -20°C~70°C, storage humidity: 5%~95%

Interfaces

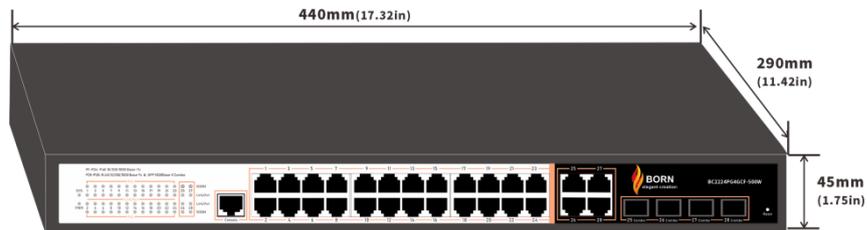


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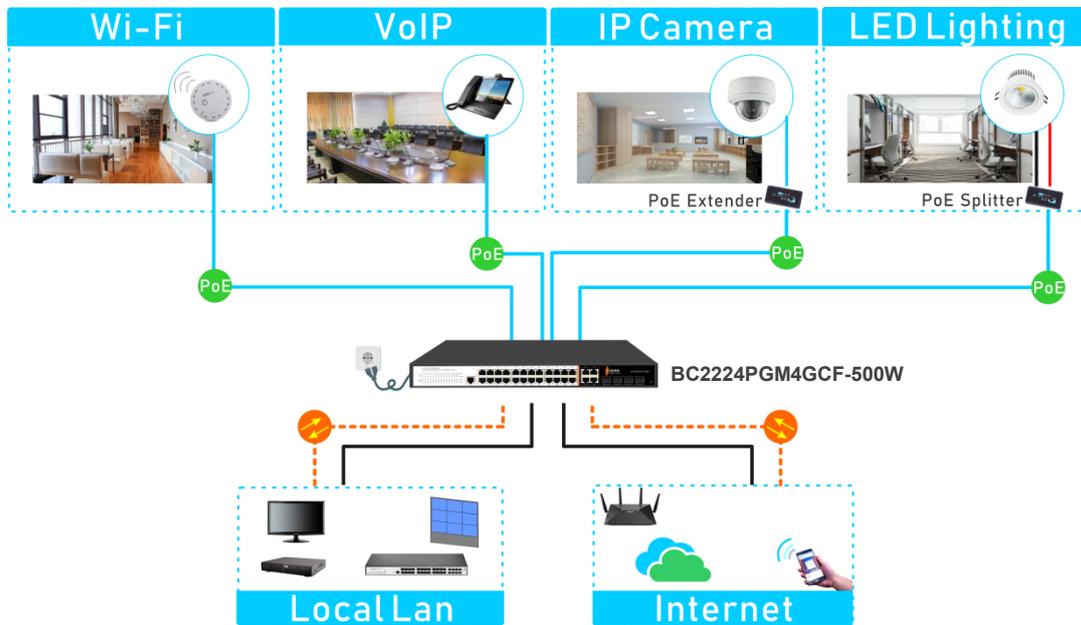
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Structure Diagrams



Applications



Ordering Information

BC2224PGM4GCF-500W

24 Ports 10/100/1000Mbps managed PoE switch with 4 Gigabit Combo Uplink and 1 Console port, 500W, 6KV surge protection, IEEE802.3af/at



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