



20 ports full Gigabit L2 Managed PoE Switch BC216PGM2GF series

❖ Overview

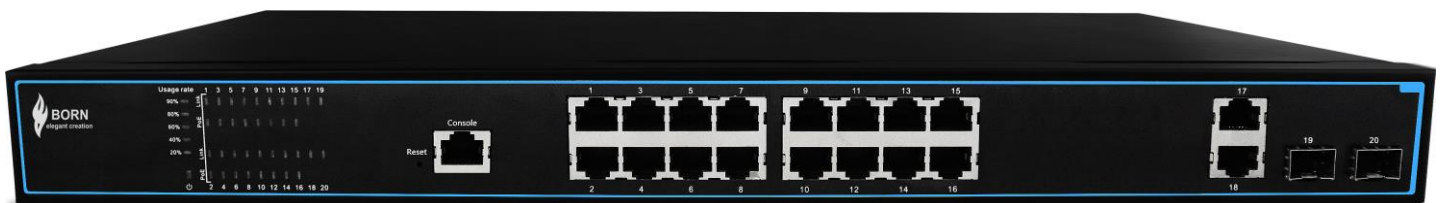
BC216PGM2GF is a 28-port PoE L2 Gigabit Managed PoE Switch. It supports up to 16*10/100/1000M PoE ports, 2*10/100/1000M ports and 2*1000M SFP slots. 16*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard, single port PoE power up to 30W.

It supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, Ports management and PoE management. It supports the PoE usage rate indication, which is convenient to show the consumption of PoE power.

It has a high anti-interference ability, the product supports 6KV surge protection, 6KV contact / 8KV air ESD protection.

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

❖ Picture



❖ Features

- With 16*10/100/1000M PoE downlink ports, 2*10/100/1000M uplink ports and 2*1000M SFP slots;
- The maximum PoE power of single port is 30W;
- It supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, Ports management and PoE management;
- It supports the PoE usage rate indication, which is convenient to show the consumption of PoE power;
- 6KV surge protection, 6KV contact / 8KV air ESD protection;
- Supports wall mounting and desktop installation.



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❖ Specifications

Hardware:

Parameter	Specifications
Power supply	AC power supply
Range of voltage	AC100-240V, 50/60Hz
Consumption	Self-consumption<25W, PoE output 270W/390W
Downlink ports	Ports 1~16 10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)
Uplink ports	17~18 ports: 10/100/1000Base-T RJ45; 19~20 ports: 1000Base-X SFP
PoE ports	Ports 1~16 support IEEE802.3af/at, end-span, 30W per port Max.
POE Usage rate	20%, 40%, 60%, 80%, 90% LED indicator, indicates PoE usage.
L2 Management	CLI: use Console port(38400 8N1); Web: use one of 1-20 ports; Supports QoS, VLAN, MSTP, Multi-broadcast, Ports management, PoE management and so on.
1~24 PoE ports	Supports IEEE 802.3af/at, end-span, single port \leq 30W
Cable and distance	Use cat5e/6, 100m max
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	40Gbps
Through put	29.76Mpps
Buffer	4M
MAC address table	16K
Indicator	Power: 1 *red; 20%, 40%, 60%, 80%, 90% LED indicator, indicates PoE usage. Uplink 17~18: green LEDs indicate Link/Act 19~20: 1000Base-X SFP green LEDs indicate Link/Act Downlink 1~16: green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 6KV: contact / 8KV: air, standard:IEC61000-4-2
Working temperature	-10℃~50℃
Storage temperature	-40℃~85℃
Humidity	0~95%(No condensation)
Dimension(L×W×H)	442mm×285mm×44mm
Material	Metal
Color	Black
Net-weight	4KG



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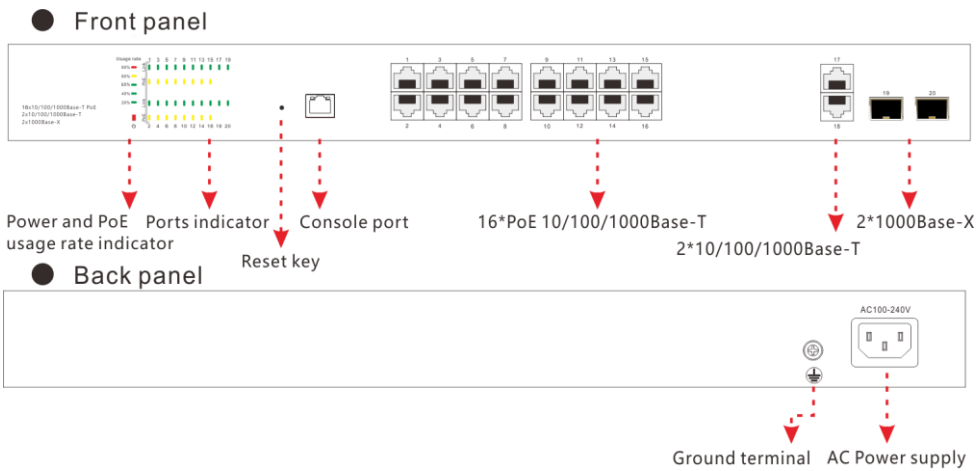
Software:

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
	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
	Multicast	256 groups
		IGMP v1/v2/v3
		Fast Leave
		Multicast VLAN
		Static Multicast
		Multicast Filter
		IGMP Statistics
		MLD Snooping
		PoE management
	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	
	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	

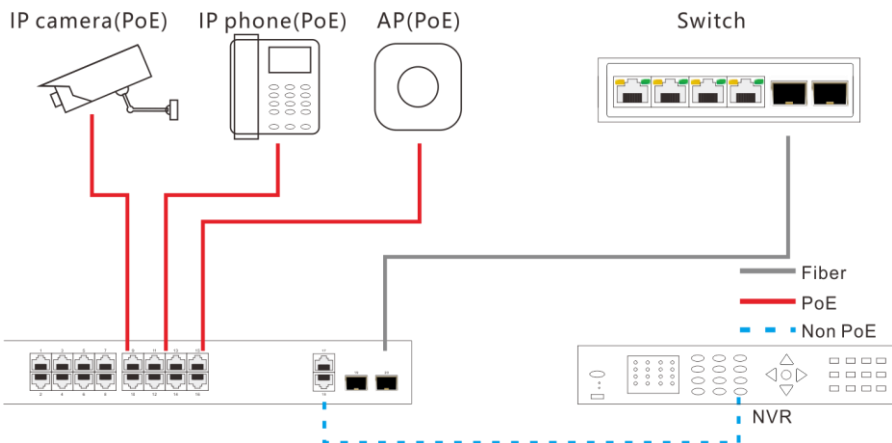
	All possible configurations in the CLI must exist in the WEB interface
	LLDP
Other Features	DHCP Relay
	DHCP Client
	DHCP Snooping
	DHCP Option 82
	SNTP Client
	BOOTP Client
Maintenance	Ping and Tracert
	System log (Local and Remote)
	Memory and CPU Monitoring

❖ Panel diagram



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

❖ Application

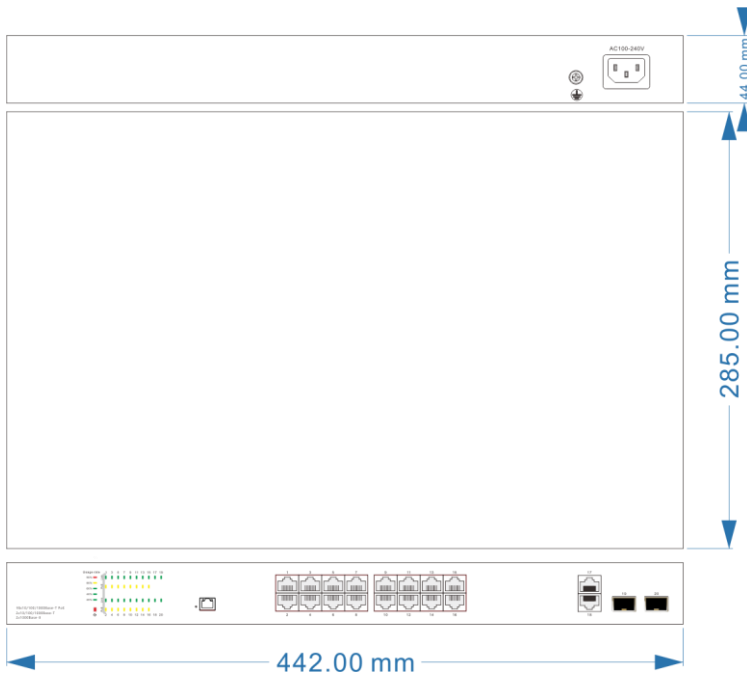




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❖ Dimensions



❖ Order information:

Model	Description
BC216PGM2GF-450	16*10/100/1000M PoE RJ45 ports, 2*10/100/1000M RJ45 ports, 2*1000M SFP ports; L2 management; PoE usage indicators; 450W power module (390W PoE budget).
BC216PGM2GF-300	16*10/100/1000M PoE RJ45 ports, 2*10/100/1000M RJ45 ports, 2*1000M SFP ports; L2 management; PoE usage indicators; 300W power module (270W PoE budget).

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WARRANTY:

2 YEARS (EXPANDABLE UPTO 4 YEARS)

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