BORN
elegant creation

BC2208BPXG1T-500W

8-Port 2.5G Unmanaged UPoE+ Switch

Datasheet

Key Features:

Ports: Provide 8*100/1000/2500Mbps Ethernet ports with 1 Ports 10G SFP+ Uplink

Self-adaption: RJ45 port supports 100/1000/2500Mbps Auto MDI/MDIX

Fiber Port: 1 Ports 10Gb SFP+ Uplink

POE Ports: Fully IEEE802.3af/at/bt Compliant

Total Power: Total power budget of 500W and 90W for 1-8 PoE ports sepectively

Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc

Surge protection: Protect the device from lighting surges and others electrical hazards

Considerate Design: Exquisite compact size.wall mounted with fanless design

Easy to use: Plug and play, No configuration required

Introducing a new Multi-Gigabit POE Switch for future-proof deployments

BORN 8-Port 2.5G PoE+ Switch with eight 2.5GBASE-T PoE+ ports and one 10G SFP+ slots,It delivers advanced management features with an 80Gbps switching capacity. The BC2208BPXG1T-500W is equipped with 2.5GBASE-T PoE+ ports that provide higher gigabit speeds capable of up to 2.5Gbps over existing Cat5e or better cabling. This switch provides eight PoE++ connections with a Max power budget of 500W, and supplies up to 90W of power per port for devices such as wireless access points, PTZ IP cameras, and VoIP telephony systems.

2.5Gbps Capability for Diversified Bandwidth Applications

With the terminal access rates of 802.11ac wireless APs reaching as high as 1.2Gbps to 2.6Gbps, Gigabit ports has been unable to satisfy the demand. Supporting both 1Gbps and 2.5Gbps capability and 802.3af/at/bt POE output, the BC2208BP2.5G1T-500W can deliver not only data to 802.11ac wireless APs, but also power to other powered devices such as APs and IP cameras.

10 Gbps SFP+ Ports Optimize Network Performance

TheBC2208BPXG1T-500W provides greater bandwidth and powerful processing capacity. It offers a maximum 20Gbps uplink bandwidth through the one 10Gbps SFP+ ports. In addition, the administrator can flexibly choose the suitable SFP/SFP+ transceiver according to the transmission distance or the transmission speed required to extend the network efficiently.

Surge Protection Design

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

BC2208BPXG1T-500W
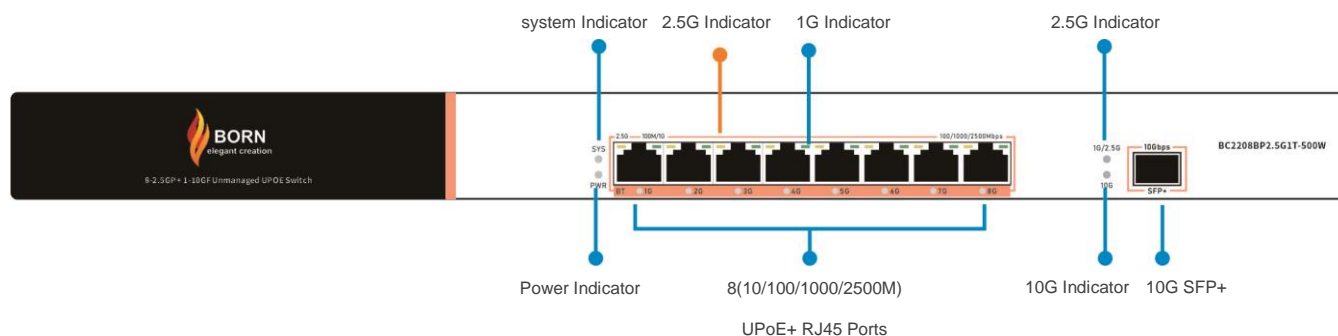
8 ports 2500Mbps UPoE+ Switch with 1 Port 10G SFP+ Uplink

Technical Datasheet

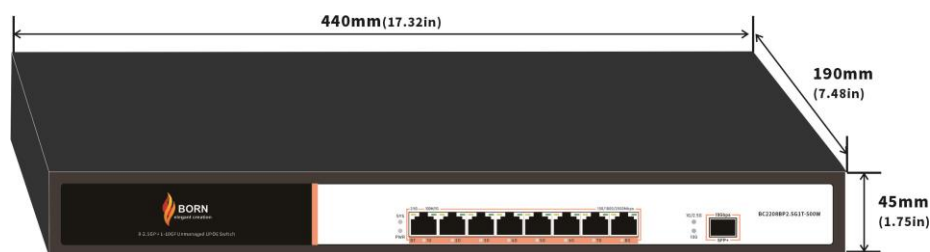| Model	BC2208BPXG1T-500W	
Hardware Specifications		
Connector	8* 10/100/1000/2500BASE-T RJ45 auto MDI/MDIX ports 1* 10G Base-X SFP Slots Uplink	
Uplink port	1* 10G Base-X SFP Slots	
LED Display	Power Indicator: PWR(green). Network Indicator: 100/1000M Link/ACT(green) Network Indicator: 2500M Link/ACT(yellow). POE Indicator: ON/OFF(yellow) SFP+: 2.5G,10G Link/ACT (green)	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE IEEE 802.3bt Power over Ethernet Plus+/PSE	
PoE Supply Type	1/2/4/5(+), 3/6/7/8(-) 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) Per Port 52V DC, 1800mA. max. 90 watts (IEEE 802.3bt)	
PoE Power budget	500W	
Network Standard	IIEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z 1000BASE-SX/LX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5GBASE-T IEEE 802.3ae 10Gb/s Ethernet IEEE 802.3x flow control and back pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3bt Power over Ethernet Plus+	
Switch Architecture	Store and Forward	
Switch Performance	Backplane bandwidth	80Gbps
	Packet forwarding rate	44.64Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension	440mm x 190mm x 44.5mm(17.32in x 7.48in x 1.75in)	
Weight	3kg	
Environment	Operating temperature: -20℃~55℃，operating humidity: 5％~95％ Storage temperature: -40℃~75℃，storage humidity: 5％~95％	
Safety	FCC Part15 Class A,CE.RoHs	

BC2208BPXG1T-500W

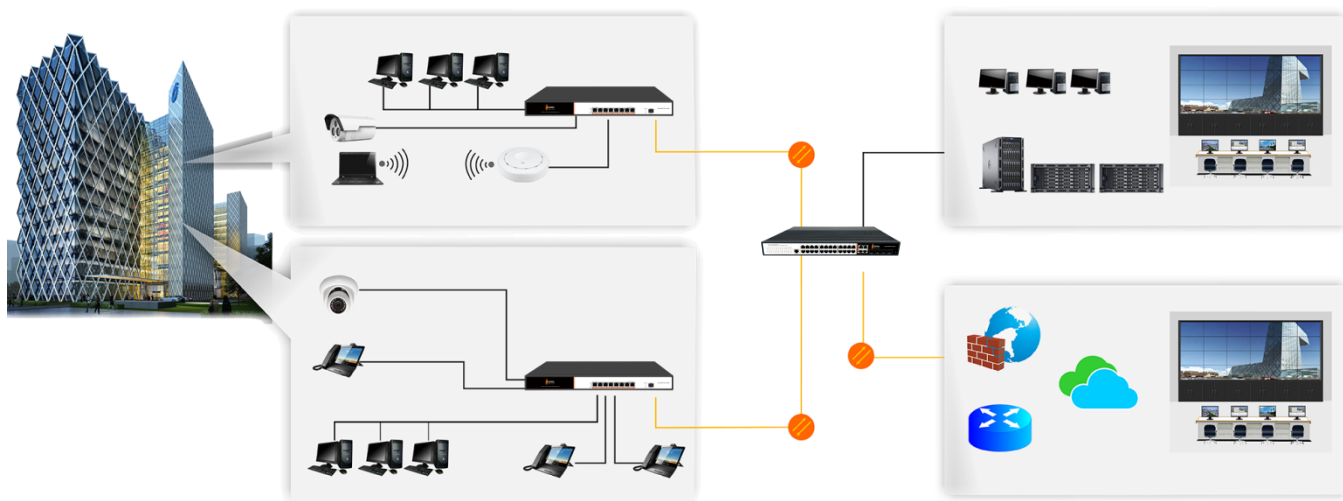## 8 ports 2500Mbps UPoE+ Switch with 1 Ports 10G SFP+ Uplink

Interfaces

Structure Diagrams

Applications

Ordering Information	
BC2208BPXG1T-500W	8 Ports 10/100/1000/2500Mbps UPoE+ switch with 1 Ports 10G SFP+ Uplink,6KV surge protection.IEE802.3af/at/bt, 500W Power