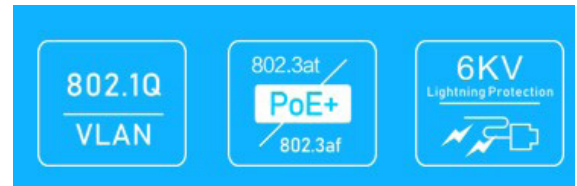


# BN-GS-2082PW

8-Port 10/100/1000Mbps Managed PoE Switch with 2 Gigabit SFP

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## Key Features:

**Ports: Provide** 8\*10/100/1000Mbps PoE ports and 2 \*1.25Gbps SFP Uplink

**PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant

**Total Power:** Total power budget of 120W and 30W for all single PoE ports

**Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

**Managed:** Support simple web managed, VLAN, Qos, PoE, STP, Bandwidth Control and 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

## Versatile PoE Port

Featuring 8\* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 8\*10/100/1000Mbps ports and 2 Gigabit SFP ports. the PoE switch provides Maximum power budget of 120W and 30W for single PoE ports sepectively, allowing users to have several different Networking products configured

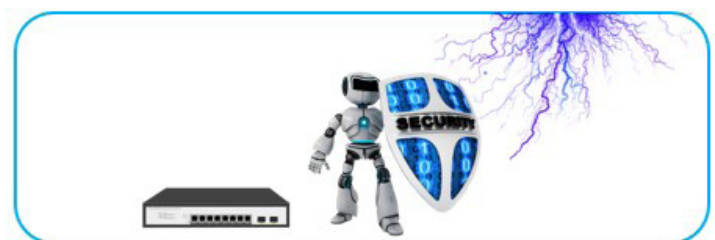


## 2 Gigabit SFP Uplink Port

With 2 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 transmittte the date with Max 100Km distance with more economic solution

## 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 more reliable performance even in some harsh environments.



## Technical Datasheet

Model	BN-GS-2082PW
Hardware Specifications	
Connector	8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots
PoE Port	8* 10/100/1000Mbps POE PSE port
SFP	Singe fiber/Dual fiber supported. Distance vary the module
Thermal Fan	Fanless
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(green) PoE Working Indicator: PoE(green)
Switch Architecture	Store and Forward
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex
Switch Performance	Backplane bandwidth 24Gbps
	Packet forwarding rate 14.88Mpps
	MAC address 8k
Power requirement	AC100-240V 50/60Hz
ESD Protection	6KV ESD
Dimension(W×D×H)	270mm x 180mm x 44.5mm(10.62in x 7.09in x 1.75in)
Weight	<1.2kg
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
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	120W
Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 26 VLAN groups
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol
IGMP	IGMP snooping
Loopback detection	Support
Bandwidth Control	16-1000000 (Kbit/sec), multiple of 16

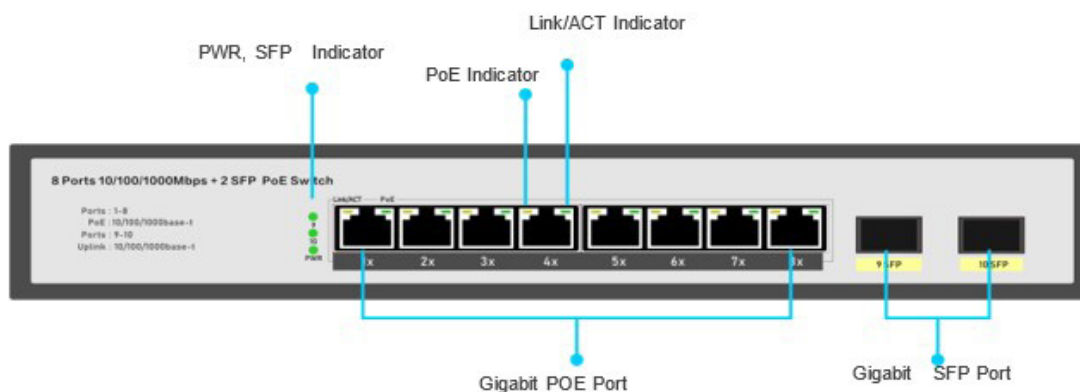
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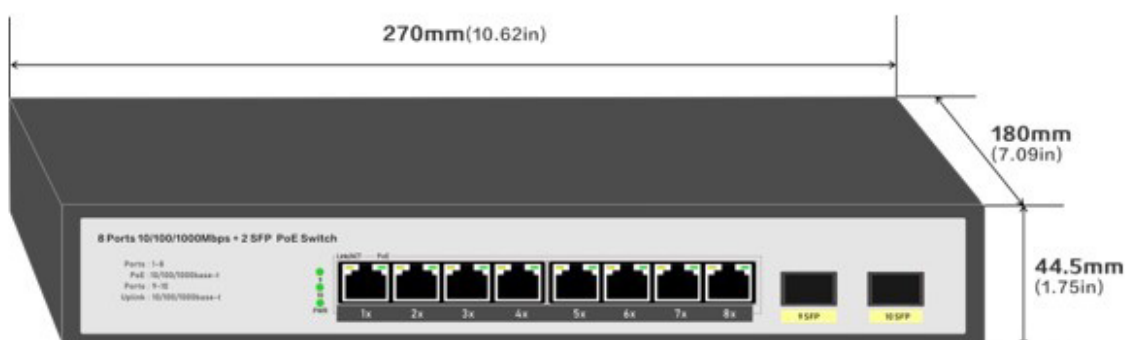
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PoE Management	Open or close port Standard POE scheduling management Power and current display
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority
Security	IEEE 802.1X port-based authentication Static MAC address Storm Control
Management Function	
Basic Management Interfaces	Web browser / SNMP v1, v2c Firmware upgrade by HTTP protocol through Ethernet network
Secure Management Interfaces	SNMP
Environment	
Safety	FCC Part15 Class A,CE,RoHs
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity: 5%~95%

## Interfaces



## Structure Diagrams

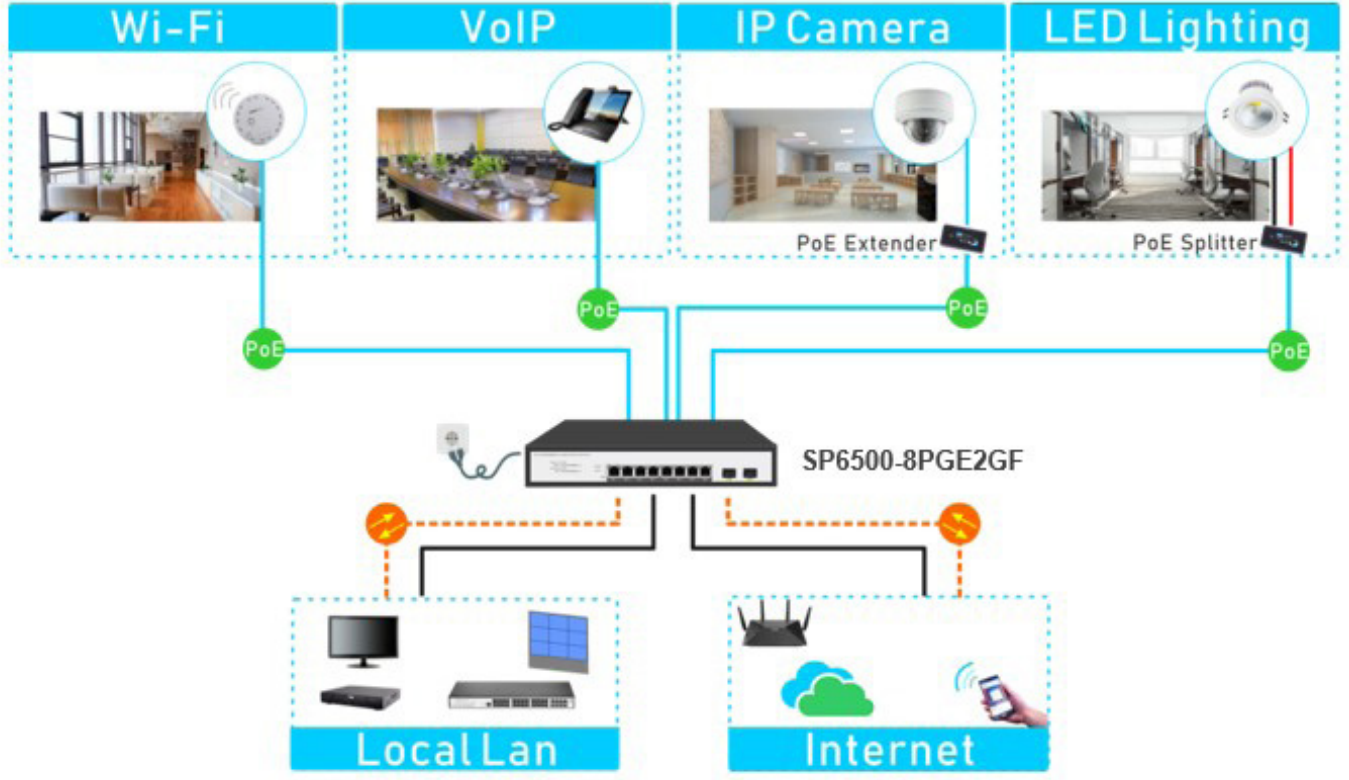


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## Applications



### Ordering Information

BN-GS-2082PW

8 Ports 10/100/1000Mbps managed PoE switch with 2 gigabit SFP ,  
6KV surge protection,IEEE802.3af/at