

# BN-GS-2242PSW

24-Port 10/100/1000Mbps Web Managed PoE Switch with 2 Gigabit SFP Uplink

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## Key Features:

**Ports:** Provide 24\*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 300W 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 lighting surges and others electrical hazards

**Considerate Design:** Rack mount installation

## Versatile PoE Port

Featuring 24\* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 24\*10/100/1000Mbps ports and 2 Gigabit SFP ports. the PoE switch provides Maximum power budget of 300W 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 transmittes 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.



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## Technical Datasheet

Model	BN-GS-2242PSW		
Hardware Specifications			
Connector	24* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots		
PoE Port	24* 10/100/1000Mbps POE PSE port		
SFP	Singe fiber/Dual fiber supported. Distance vary the module		
Thermal Fan	2 Fans Design		
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	56Gbps	
	Packet forwarding rate	38.69Mpps	
	MAC address	8k	
Power requirement	AC100-240V 50/60Hz		
ESD Protection	6KV ESD		
Dimension(W×D×H)	440mm x 290mm x 45mm(17.32in x 11.42in x 1.77in)		
Weight	4kg		
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	300W		

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## 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
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

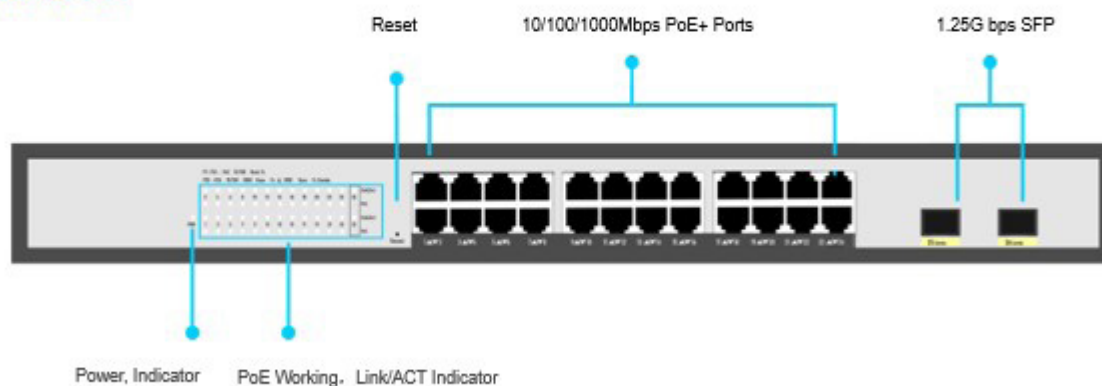
Basic Management Interfaces	Web browser / SNMP v1, v2c Firmware upgrade by HTTP protocol through Ethernet network
Secure Management Interfaces	SNMP

## 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

### Interfaces

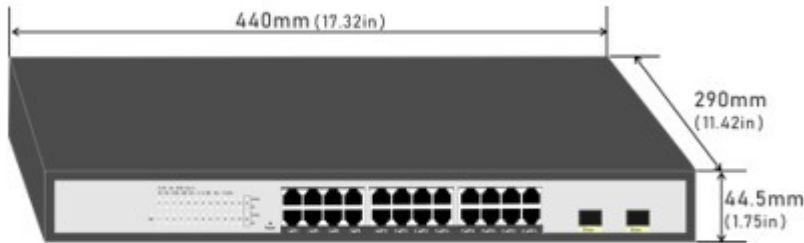


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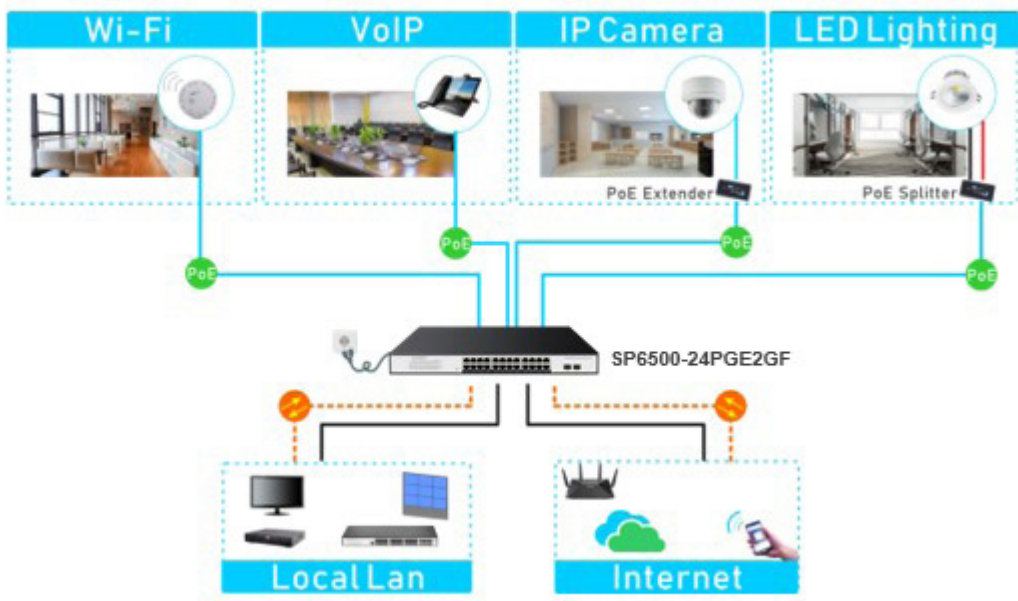
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## Structure Diagrams



## Applications



### Ordering Information

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24 Ports 10/100/1000Mbps Web managed PoE switch with 2 gigabit SFP ,Rack mount,300W