

## GS1200 PoE Series

### 5-Port/8-Port Web Managed PoE Gigabit Switch

The Zyxel GS1200 PoE Series is equipped with 5 or 8 Gigabit ports includes 4 PoE ports compliance with IEEE 802.3at and automatically detect and supply power up to 60W total PoE budget.

However, the Zyxel GS1200-5HP v2/GS1200-8HP v2 is more than just a typical PoE switch. It comes with an easy-to-use web configuration to prioritize, limit and/or protect network traffics. It has been designed specifically for customers who require simple control functions for office network management.



60 Watts of total output on 4 Gigabit PoE ports



Link aggregation increases bandwidth between 2 Ethernet ports



Quality of Service for better traffic control



Multicast IGMP snooping v1/v2 and v3 compatible for streaming applications



Virtual LAN for enhanced network security



Easy web management



Advanced energy-savings at work

# Benefits

## Smart PoE+ 802.3af/802.3at support

The GS1200 PoE Series supports the IEEE 802.3at standard, providing a maximum of 30 watts per port (with a max total power budget of 60 watts) to supply power to PoE network devices like wireless APs, IP cameras and VoIP phones. Web GUI management enables you to monitor the power status on each port and/or reboot the network devices, as needed.



## Quality of Service

Port-based Quality of Service for better voice and video traffic control. Optimizing access bandwidth on the network.



## Link aggregation

Increases bigger bandwidth between 2 Ethernet ports to support aggregated uplink/downlink traffic.



## VLAN

Segregating network into small groups for enhanced network security and efficiency





## IGMP snooping

Optimizing network efficiency on multicast traffic delivery without the need of an extra multicast router.



# Specifications

Model	GS1200-5HP v2	GS1200-8HP v2	
<b>Product name</b>	5-Port GbE Web Managed PoE Switch	8-Port GbE Web Managed PoE Switch	
			
<b>Port Density</b>			
<b>Total port count</b>	5	8	
<b>1000BASE-T</b>	1	4	
<b>PoE</b>			
<b>802.3at PoE ports</b>	4	4	
<b>Total PoE budget (watts)</b>	60	60	
<b>Performance</b>			
<b>Switching capacity</b>	10 Gbps	16 Gbps	
<b>Forwarding rate</b>	7.44 Mpps	11.9 Mpps	
<b>Packet buffer</b>	128 KB	192 KB	
<b>MAC address</b>	2 K	4 K	
<b>Jumbo frame</b>	9 KB	9 KB	
<b>LED</b>			
<b>Power</b>	Yes	Yes	
<b>Per port</b>	Yes	Yes	
<b>PoE power status</b>	Yes (Max)	Yes (Max)	
<b>Power</b>			
<b>Input</b>	100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz	
<b>Power supply</b>	External	External	
<b>Max. power consumption (watts)</b>	62.79	69.81	
<b>Min. power consumption (watts)</b>	0.935	1.485	
<b>Physical Specifications</b>			
<b>Item</b>	<b>Dimensions (WxDxH)(mm/in.)</b>	193 x 84 x 26/7.60 x 3.31 x 1.02	240 x 105 x 26/9.45 x 4.13 x 1.02
	<b>Weight (g/lb.)</b>	392/0.86	584/1.29
<b>Packing</b>	<b>Dimensions (WxDxH)(mm/in.)</b>	210 x 132 x 78/8.26 x 5.20 x 3.07	256 x 132 x 78/10.08 x 5.20 x 3.07
	<b>Weight (g/lb.)</b>	950/2.10	1,153/2.54
<b>Environmental Specifications</b>			
<b>Operating</b>	<b>Temperature</b>	0°C to 40°C/32°F to 104°F	0°C to 40°C/32°F to 104°F
	<b>Humidity</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)
<b>Storage</b>	<b>Temperature</b>	-40°C to 70°C/-40°F to 158°F	-40°C to 70°C/-40°F to 158°F
	<b>Humidity</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)

## Standard Compliance

- IEEE 802.3u 100BASE-TX Ethernet
- IEEE 802.3ab 1000BASE-T Ethernet
- IEEE 802.3az EEE support
- IEEE 802.3x flow control
- IEEE 802.3z 1000BASE-X
- IEEE 802.1p CoS
- IEEE 802.3af PoE
- IEEE 802.3at PoE Plus (30 W per port)
- Auto MDI/MDI-X
- IEEE 802.1Q VLAN tagging

## Features

- Web-based management
- System password

- VLAN (Port supported)
  - GS1200-5HP v2: 5 ports
  - GS1200-8HP v2: 8 ports
- Port-based QoS
- 802.1p CoS
- Broadcast storm control
- Loop detection/prevention
- DHCP client
- Link aggregation
  - GS1200-5HP v2: one LAG (Port 3&4)
  - GS1200-8HP v2: two LAGs (Port 3&4, Port 7&8)
- Port mirroring
- Weighted Round Robin (WRR) priority QoS

- IGMP snooping v1/v2/and v3 compatible
- Supported multicast groups: 128
- Firmware update

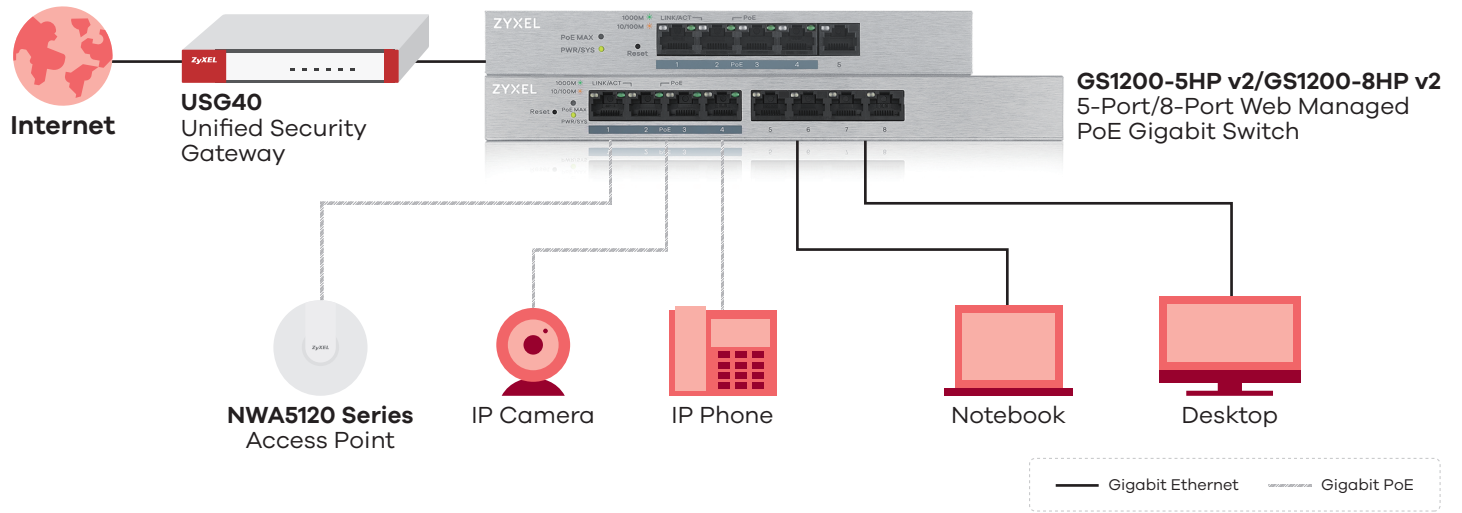
## Certification

- Safety: CE-LVD, BSMI
- EMC: CE, EAC, FCC, BSMI Class B

## Package Contents

- Switch
- Power adapter
- Power cord
- Quick start guide
- Safety warning and doc.
- Rubber foot pads

# Application Diagram



# Easy Web-based Management Interface

## System

**ZYXEL GS1200-SHP v2**

System Information

Model Name	Device Name	Firmware Version	Loop Status
GS1200-SHP v2	GS1200-SHP v2	V1.00/ABKN.01C0	Normal

MAC Address	IP Address	Subnet Mask	Gateway
00:23:79:00:23:79	192.168.1.3	255.255.255.0	0.0.0.0

PoE Total Power	PoE Total Power Left	PoE MAX LED Power
80W	55.4W	50W

Per Port Status

Port	Link Status	TDP(M)	EX(P/W)	Loop Status	PoE Status (W)
1	100 Mbps	5.881	1.145	Normal	4.6
2	Down	0	0	Normal	0
3	1000 Mbps	5.830	6.156	Normal	0
4	100 Mbps	5.654	4.017	Normal	0
5	1000 Mbps	14.441	5.723	Normal	N/A

## Port

**ZYXEL GS1200-SHP v2**

Storm Control

Broadcast Storm Control:  Enable   pps (Range 1-500,000)

Loop Detection / Prevention:  Loop Prevention

Port Setting

Port	State	Speed	Flow Control	PoE
1	Enable	Auto	Disable	Enable
2	Enable	Auto	Disable	Enable
3	Enable	Auto	Disable	Enable
4	Enable	Auto	Disable	Enable
5	Enable	Auto	Disable	N/A

## VLAN

**ZYXEL GS1200-SHP v2**

PVID

Port	PVID
01	2
02	3
03	4
04	5
05	1

Maximum number of IEEE 802.1Q VLAN: 32

VLAN ID	01	02	03	04	05	Modify	Delete
1	■	■	■	■	■	Modify	Delete
2	■	■	■	■	■	Modify	Delete
3	■	■	■	■	■	Modify	Delete
4	■	■	■	■	■	Modify	Delete

## Management

**ZYXEL GS1200-SHP v2**

Device Setting

Management:

BRCP Client:  Disable

IP Address: 192.168.1.3    Subnet Mask: 255.255.255.0    Gateway: 0.0.0.0

IEEE 802.3az EEE:  Disable

Configuration Restore/Backup:

Change Password

Old Password:

New Password:

Confirm Password:

For more product information, visit us on the web at [www.zyxel.com](http://www.zyxel.com)

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Datasheet **GS1200 PoE Series**