



## XGS1210-12

### 12-Port Web-Managed Multi-Gigabit Switch with 2-Port 2.5G and 2-Port 10G SFP+

The Zyxel XGS1210-12 comes with two 10 Gigabit SFP+ uplink ports, two 2.5 Gigabit ports, and eight gigabit Ethernet ports. Prioritize, limit, and/or protect your network traffic with its built-in Web GUI. Designed specifically for customers who want simple network management for their home or office.

Connect 802.11ac or 802.11ax access points to the 2.5 Gigabit ports for true maximum wireless speed delivery. Deliver your data swiftly to your client devices from your NAS or other core networking essential with 10 Gigabit SFP+. The XGS1210-12 perfectly blends into homes and offices with its compact size while providing high performance without any noise.



Multi-Gigabit speed support and 10G SFP+ Uplink



Intuitive web GUI for management



QoS for better traffic control



VLAN for enhanced network security



Link Aggregation for throughput increasing



IGMP Snooping for optimized traffic delivery



Fanless, noiseless design

# Benefits

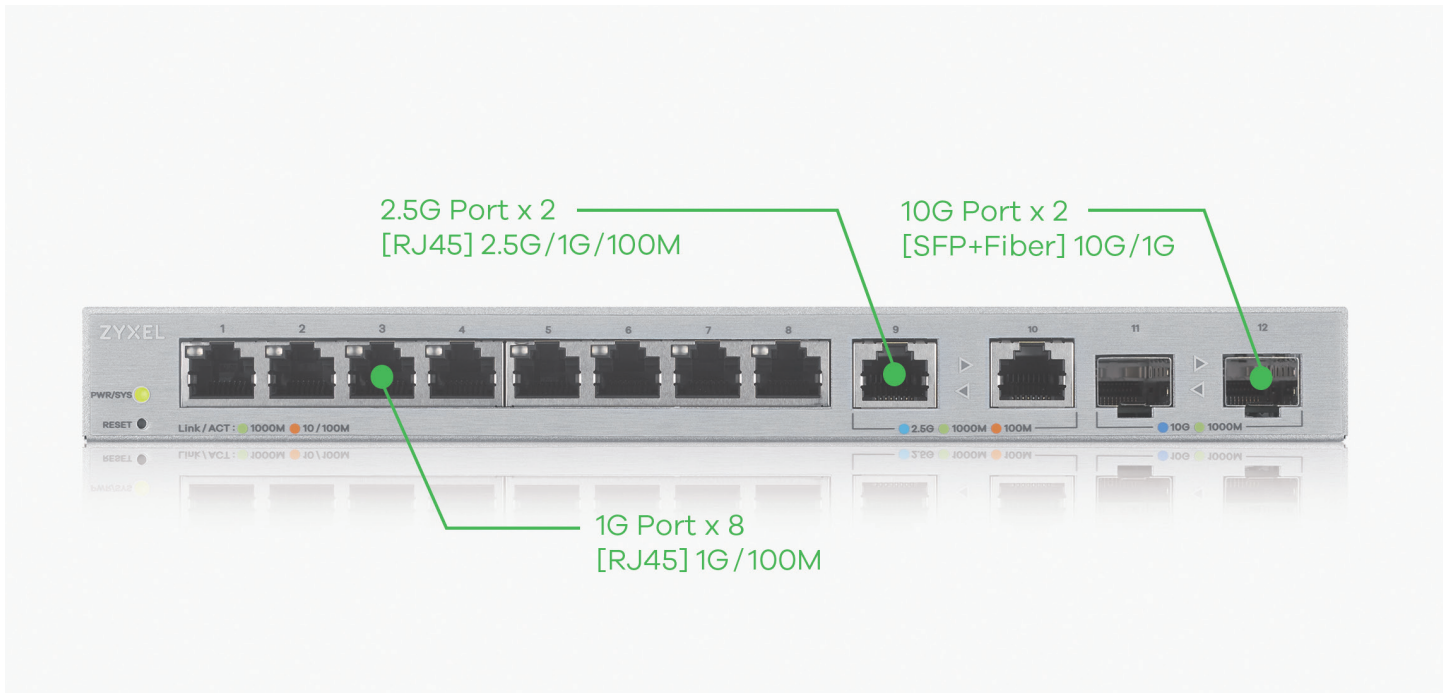
## 10G Acceleration for all

The XGS1210-12 provides two SFP+ ports compatible with 10GbE which offers higher transmission speeds and allows customers to instantly upgrade to a hybrid high-speed network environment at a cost-effective price.



## Multi-Gigabit speed support

Support data transmission speed among 10G, 2.5G, 1G, 100M, capable of servicing a range of network devices such as gaming laptops, desktops, workstations, servers, network attached storage (NAS) devices, or IEEE wireless access points.





## Easy web management

XGS1210-12 comes with an user-friendly web-based interface setup that walks you through configuration and management quickly. It also walks you through setting up backups and firmware upgrades, ensuring that your network will perform reliably, so that you can get back to business.



## Quality of service

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



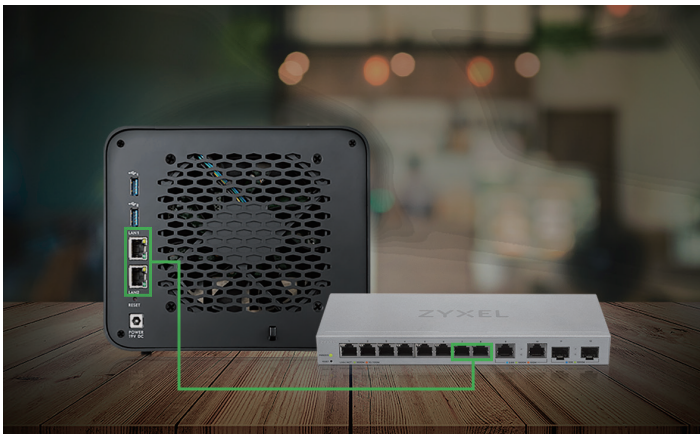
## VLAN

Segregating network into small groups for enhanced network security and efficiency.



## Link Aggregation

Combining up to four physical ports together for faster file transfers and to enhance connection reliability

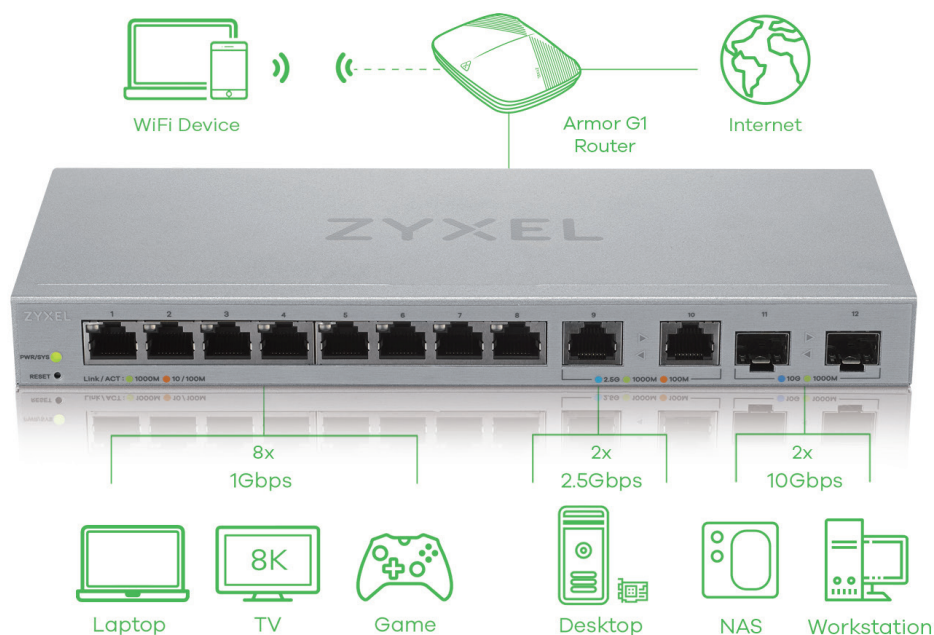


## IGMP Snooping

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



# Application Diagram



## Specifications

### System Specifications

#### Standard

- IEEE 802.3 10BASE-TX Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3bz 2500BASE-T Gigabit Ethernet
- SFF-8431
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.3x full duplex operation and flow control

#### Performance

- Switching capacity: 66 Gbps
- Switching forwarding rate: 49 Mpps
- MAC address table: 16 K
- Packet buffer: 1.5 MB
- Jumbo frame support up to 12 KB

#### Features

- Web-based management
- Auto-MDI/MDIX in all ports
- System password
- VLAN (Port supported)
- Port-based QoS
- 802.1p QoS
- Broadcast storm control
- Loop detection/prevention
- DHCP client
- Static Link aggregation
- Port mirroring
- Weighted Round Robin (WRR) priority QoS

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

### Hardware Specifications

#### Interface

- 8 x RJ-45 10/100/1000 Mbps Ethernet port with metal shielding
- 2 x RJ-45 100/1000/2500 Mbps Ethernet port with metal shielding
- 2 x SFP+
- Hardware reset button

#### LED Indicator

- PWR: Power
- Port 1-8: Link/Activity
  - Green: 1000 Mbps
  - Amber: 10/100 Mbps
- Port 9-10: Link/Activity
  - Sky Blue: 2.5 Gbps
  - Green: 1 Gbps
  - Amber: 100 Mbps
- Port 11-12: Link/Activity
  - Blue: 10 Gbps
  - Green: 1000 Mbps

#### Power Supply

- AC-to-DC external power adapter
- Input: 100 - 240 V ~ 50-60 Hz
- Output: 12 V DC/1.5 A

#### Power Consumption

- 15.61 watt max

### Physical Specifications

- Item dimensions (WxDxH): 250 x 104 x 27 mm (9.84" x 4.10" x 1.06")
- Item weight: 768 g (1.69 lb.)
- Packing dimensions (WxDxH): 306 x 225 x 64 mm (12.04" x 8.86" x 1.06")
- Packing weight: 1217 g (2.68 lb.)

### Environmental Specifications

#### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

#### Storage Environment

- Temperature: -40°C to 70°C (-32°F to 158°F)
- Humidity: 10% to 90% (Non-condensing)

### Certifications

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

### Package Contents

- Switch
- Power adapter
- Quick Start Guide
- Safety warning and DoC

## Accessories

### Transceivers (Optional)

Model	Speed	Connector	Wavelength	Max. Distance	DDMI
<b>SFP10G-SR</b>	10-Gigabit SFP+	Duplex LC	850 nm	0.3 km (984 ft)	Yes
<b>SFP10G-SR-E</b>	10-Gigabit SFP+	Duplex LC	850 nm	0.3 km (984 ft)	Yes
<b>SFP10G-LR</b>	10-Gigabit SFP+	Duplex LC	1310 nm	10 km (10936 yd)	Yes
<b>SFP10G-LR-E</b>	10-Gigabit SFP+	Duplex LC	1310 nm	10 km (10936 yd)	Yes
<b>SFP-1000T</b>	Gigabit	RJ-45	-	0.1 km (109 yd)	-
<b>SFP-SX-D</b>	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
<b>SFP-SX-E</b>	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
<b>SFP-LX-10-D</b>	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
<b>SFP-LX-10-E</b>	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
<b>SFP-LHX1310-40-D</b>	Gigabit	Duplex LC	1310 nm	40 km (43744 yd)	Yes
<b>SFP-ZX-80-D</b>	Gigabit	Duplex LC	1550 nm	80 km (87488 yd)	Yes
<b>SFP-BX1310-10-D</b>	Gigabit	Single LC	1310 nm (Tx) 1490 nm (Rx)	10 km (10936 yd)	Yes
<b>SFP-BX1310-E</b>	Gigabit	Single LC	1310 nm (TX) 1550 nm (RX)	20 km (21872 yd)	Yes
<b>SFP-BX1490-10-D</b>	Gigabit	Single LC	1490 nm (Tx) 1310 nm (Rx)	10 km (10936 yd)	Yes
<b>SFP-BX1550-E</b>	Gigabit	Single LC	1550 nm (TX) 1310 nm (RX)	20 km (21872 yd)	Yes

### Direct Attach Cables (Optional)

Model	Connector	Cable Length
<b>DAC10G-1M</b>	SFP+ to SFP+	1 m (39.37 inch)
<b>DAC10G-3M</b>	SFP+ to SFP+	3 m (118.11 inch)

### Network Adapter Series (Optional)

Model	Product name	Interface
<b>XGN100F</b>	10G Network Adapter PCIe Card with Single SFP+ Port	<ul style="list-style-type: none"><li>• 1 x 10 Gbps SFP+ slot</li><li>• PCI Express 3.0</li></ul>
<b>XGN100C</b>	10G Network Adapter PCIe Card with Single RJ-45 Port	<ul style="list-style-type: none"><li>• 1 x 10 Gbps RJ-45 Ethernet port (Supported Speeds: 100M/1G/2.5G/5G/10G)</li><li>• PCI Express 3.0</li></ul>

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

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