



## XGS1210-12/XGS1010-12

### 8-Port GbE and 2-Port 2.5G Switch with 2 10G Uplink

The XGS1210-12 and XGS1010-12 come with eight Gigabit Ethernet Ports, two 10 Gigabit SFP+ uplink and two 2.5G Multi-Gig ports which provide either 100M, 1G, or 2.5G connectivity.

They have been designed specifically for customers who require simple management over a variety of mixed environments from home to office.

Connect WiFi 6 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, workstations, or other core networking essential with 10 Gigabit SFP+. The compact size of XGS1210-12 and XGS1010-12 perfectly blends into homes and offices while providing high performance without any noise.



Multi-Gigabit speed support (100M/1G/2.5G) and 10G SFP+ Uplink



Compact design blends into any working environment



Fanless, noiseless design



Advanced energy-savings at work

## Benefits

### Maximized 10G speed for content creators

The two 10G SFP+ ports offer higher transmission speeds and allows customers to instantly upgrade to a hybrid high-speed network environment at a cost-effective price.



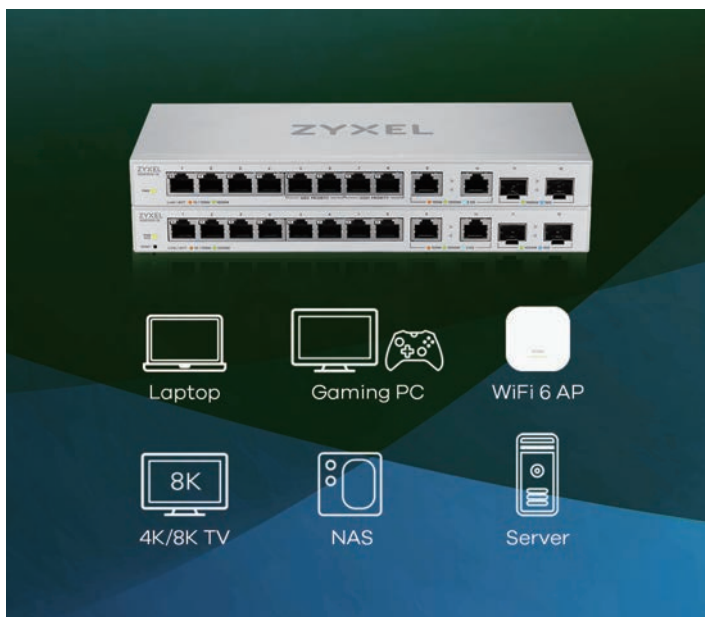
### Fanless, noiseless design

Extend your network without disrupting your quiet business environment. This switch features a fanless design that ensures silent operation and greater reliability over time with no moving parts.



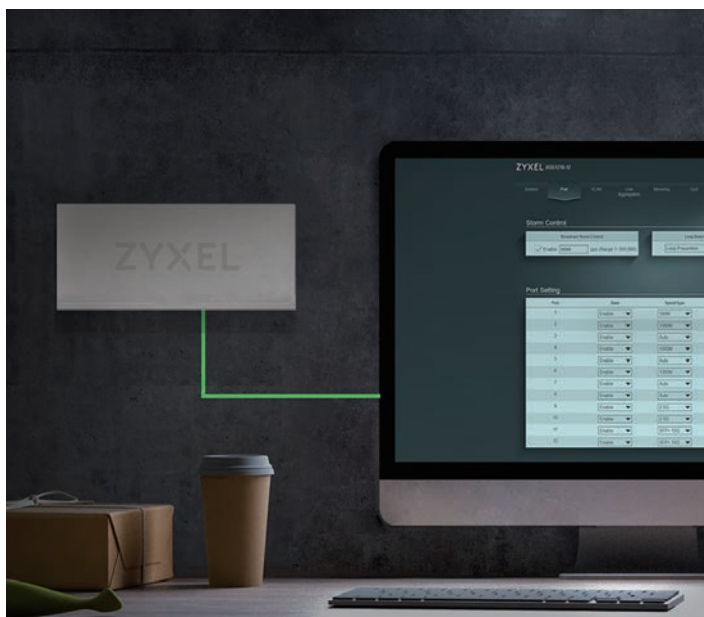
### Unlock Multi-Gigabit potential for your devices

Support Multi-Gig technology to expand your network easily, and serve a range of network devices such as gaming laptops, desktops, workstations, servers, network attached storage (NAS) devices, or WiFi 6 access points and more either 100M, 1G, or 2.5G speed automatically. The handy LED indicator provides an intuitive indication of connection speed for each individual ports.



### Easy web management (XGS1210-12)

XGS1210-12 comes with an user-friendly web-based interface setup that helps you to configure and manage network easily. 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. Also, you can turn off Ethernet port LEDs for distraction-free operation through the web-based interface.



Plug and Play (XGS1010-12)

Its easy plug-and-play design allows you to connect the XGS1010-12 to VoIP, media players, game consoles, set-top box, and any other web browsing devices to your home or studio network without any configuration.

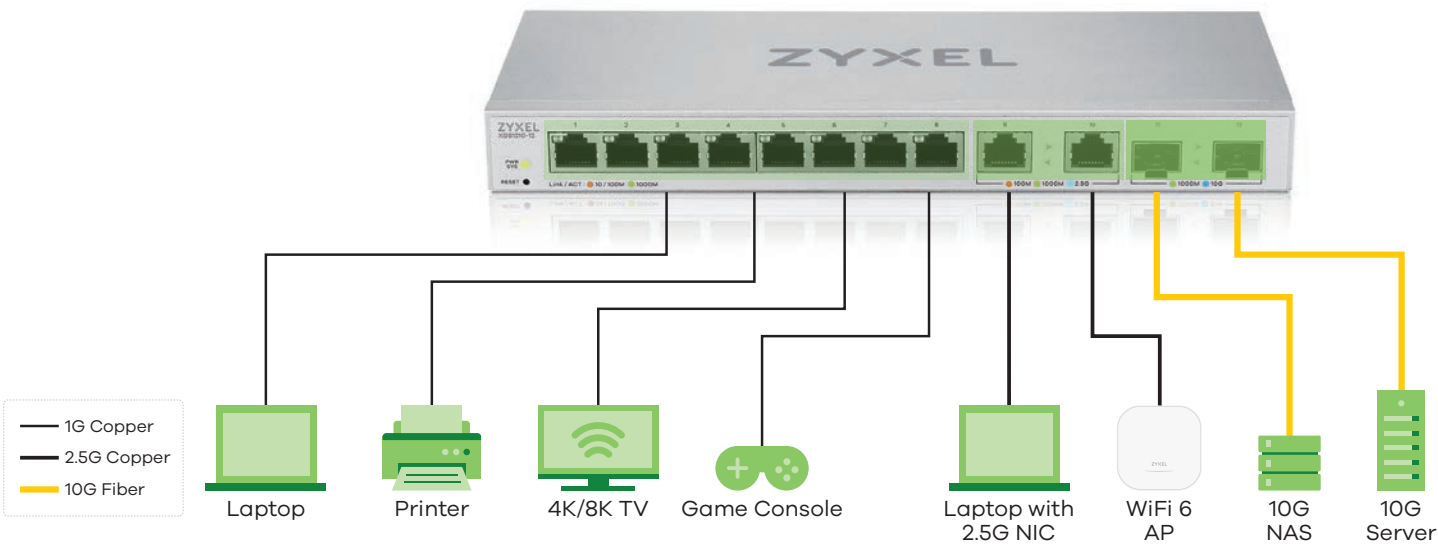


Advanced energy-savings at work

Built-in IEEE 802.3az Energy Efficient Ethernet (EEE) function automatically detects network traffic and adjusts power consumption dynamically to reduce power usage during low link utilization periods.



Application Diagram



## Specifications

| Model                          |                           | XGS1010-12                                                                        | XGS1210-12                                                                          |
|--------------------------------|---------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product name                   |                           | 8-Port GbE and 2-Port 2.5G Unmanaged Switch with 2 10G Uplink                     | 8-Port GbE and 2-Port 2.5G Web Managed Switch with 2 10G Uplink                     |
|                                |                           |  |  |
| Switch class                   |                           | Unmanaged                                                                         | Web Managed                                                                         |
| Port Density                   |                           |                                                                                   |                                                                                     |
| Total port count               |                           | 12                                                                                | 12                                                                                  |
| 10/100/1000 Mbps               |                           | 8                                                                                 | 8                                                                                   |
| 100M/1G/2.5G Ethernet (RJ-45)  |                           | 2                                                                                 | 2                                                                                   |
| 1G SFP/10G SFP+                |                           | 2                                                                                 | 2                                                                                   |
| Performance                    |                           |                                                                                   |                                                                                     |
| Switching capacity (Gbps)      |                           | 66                                                                                | 66                                                                                  |
| Forwarding rate (Mpps)         |                           | 49                                                                                | 49                                                                                  |
| Packet buffer (byte)           |                           | 1.5 MB                                                                            | 1.5 MB                                                                              |
| MAC address table              |                           | 16 K                                                                              | 16 K                                                                                |
| Jumbo frame (byte)             |                           | 12 K                                                                              | 12 K                                                                                |
| Power                          |                           |                                                                                   |                                                                                     |
| Input                          |                           | 100 - 240 V AC, 50/60 Hz                                                          | 100 - 240 V AC, 50/60 Hz                                                            |
| Power supply                   |                           | External                                                                          | External                                                                            |
| Max. power consumption (watts) |                           | 11.53                                                                             | 11.53                                                                               |
| Min. power consumption (watts) |                           | 3.95                                                                              | 3.95                                                                                |
| Physical Specifications        |                           |                                                                                   |                                                                                     |
| Item                           | Dimensions (WxDxH)(mm/in) | 250 x 104 x 27/9.84 x 4.10 x 1.06                                                 | 250 x 104 x 27/9.84 x 4.10 x 1.06                                                   |
|                                | Weight (kg/lb.)           | 0.768/1.69                                                                        | 0.768/1.69                                                                          |
| Packing                        | Dimensions (WxDxH)(mm/in) | 306 x 225 x 64/12.04 x 8.86 x 1.06                                                | 306 x 225 x 64/12.04 x 8.86 x 1.06                                                  |
|                                | Weight (kg/lb.)           | 1.217/2.68                                                                        | 1.217/2.68                                                                          |
| Green Features                 |                           |                                                                                   |                                                                                     |
| Fanless                        |                           | Yes                                                                               | Yes                                                                                 |
| Environmental Specifications   |                           |                                                                                   |                                                                                     |
| Operating                      | Temperature               | 0°C to 40°C/32°F to 104°F                                                         | 0°C to 40°C/32°F to 104°F                                                           |
|                                | Humidity                  | 10% to 90% (non-condensing)                                                       | 10% to 90% (non-condensing)                                                         |
| Storage                        | Temperature               | -40°C to 70°C/-40°F to 158°F                                                      | -40°C to 70°C/-40°F to 158°F                                                        |
|                                | Humidity                  | 10% to 90% (non-condensing)                                                       | 10% to 90% (non-condensing)                                                         |

## 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

## Features

### XGS1210-12

- 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
- **New for V2.00** Ethernet port LED on/off

### XGS1010-12

- Plug and play, easy use and quick install
- Auto-MDI/MDIX in all ports
- QoS ports for smooth media streaming, VoIP calls, and online gaming
- 802.1p QoS
- Weighted Round Robin (WRR) priority QoS

## 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

## 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 | Duplex LC | 850 nm                     | 0.3 km (328 yd)  | Yes  |
| <b>SFP10G-SR-E</b>      | 10 Gigabit | Duplex LC | 850 nm                     | 0.3 km (328 yd)  | Yes  |
| <b>SFP10G-LR</b>        | 10 Gigabit | Duplex LC | 1310 nm                    | 10 km (10936 yd) | Yes  |
| <b>SFP10G-LR-E</b>      | 10 Gigabit | 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 (Tx) | 10 km (10936 yd) | Yes  |
| <b>SFP-BX1310-E</b>     | Gigabit    | Single LC | 1310 nm (Tx); 1550 nm (Tx) | 20 km (21872 yd) | Yes  |
| <b>SFP-BX1490-10-D</b>  | Gigabit    | Single LC | 1490 nm (Tx); 1310 nm (Tx) | 10 km (10936 yd) | Yes  |
| <b>SFP-BX1550-E</b>     | Gigabit    | Single LC | 1550 nm (Tx); 1310 nm (Tx) | 20 km (21872 yd) | Yes  |

Direct Attach Cables (Optional)

| Model     | Speed        | Connector         |
|-----------|--------------|-------------------|
| DAC10G-1M | SFP+ to SFP+ | 1 m (39.37 inch)  |
| DAC10G-3M | SFP+ to SFP+ | 3 m (118.11 inch) |

Network Adapter Series (Optional)

| Model   | Product Name                                         | Interface                                                                                                                     |
|---------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| XGN100F | 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>                             |
| XGN100C | 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<br/>(Supported Speeds: 100M/1G/2.5G/5G/10G)</li></ul> |

Ordering Information

| Model      | Part Number                                                   | Hardware Revision |
|------------|---------------------------------------------------------------|-------------------|
| XGS1210-12 | XGS1210-12-ZZ0102F*, XGS1210-12-TW0102F*                      | Revision B1       |
|            | XGS1210-12-ZZ0101F, XGS1210-12-TW0101F                        |                   |
| XGS1010-12 | XGS1010-12-ZZ0102F*, XGS1010-12-TW0102F*, XGS1010-12-USAM02F* | Revision B1       |
|            | XGS1010-12-ZZ0101F, XGS1010-12-TW0101F                        |                   |

\* Represents the latest hardware revision.

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

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