



Affordable Solution for Gigabit Connections to the Desktop

- Non-blocking, wire-speed transmission
- Auto MDI/MDI-X support
- IEEE 802.3az compliant
- Fanless design for silent operation
- IEEE 802.3x flow control supported
- IEEE 802.1p CoS supported
- Jumbo frame support up to 10 K bytes (GS1100-24/24E)
- IEEE 802.3at PoE Plus standard with 30 W per port (GS1100-8HP)
- Limited life-time warranty*

* Warranty terms, service availability, and service response times may vary from country or reaion to country or region.



GS1100 Series 8/16/24-port GbE **Unmanaged Switch**

The ZyXEL GS1100 Series is the best solution for instant Gigabit connectivity in office environments demanding silent operation and better energy efficiency. With power-saving functions, Gigabit Ethernet and a fanless design, the GS1100 Series provides plug-and-play simplicity for high-bandwidth network applications.

The ZyXEL GS1100 Series consists of four unmanaged switches: the GS1100-8HP, GS1100-16, GS1100-24 and GS1100-24E. The GS1100-16 and GS1100-24E feature 16 and 24 GbE ports. The GS1100-24 is a 24-port Gigabit switch with 2 additional open Gigabit SFP slots, while the GS1100-8HP is an 8-port Gigabit switch that complies with the IEEE 802.3at Power over Ethernet (PoE) Plus standard, providing 4 PoE ports with up to 30 watts per port.

Benefits

Green networking

The GS1100 Series not only offers Gigabit Ethernet connectivity for next-generation network applications, but also power-saving functions for better energy efficiency. Capable of dynamically adjusting power output according to traffic, active links and cable length, the GS1100 Series can reduce energy consumption for lowered operating costs.

Traffic detection — Energy Efficient Ethernet (EEE) compliance

The IEEE 802.3az Energy Efficient Ethernet (EEE) feature automatically detects network traffic and adjusts power consumption dynamically, enabling the switch to reduce power consumption during low link utilization periods. The GS1100 Series comes with IEEE 802.3az on/off button to help reduce power consumption. This button allows users to keep the best performance without transmit impacted or to have green support of Energy Efficient Ethernet mode with a simple push of a button.

Inactive link detection

The inactive link detection function automatically reduces power usage when inactive links or devices are detected. The ZyXEL GS1100 Series can adjust power consumption according to link status and the number of active network devices.

Cable length detection

This green feature enables the switch to automatically detect the length of connected Ethernet cables and adjust power usage accordingly. The shorter the cable length, the less power it consumes.

Fanless design

The complete GS1100 Series comes in a fanless design that ensures silent operation in small or quiet office environments. The GS1100-8HP PoE model is specifically designed with an external power adapter that eliminates the need for an additional fan to cool down the device, making it perfect for quiet PoE deployments.









Gigabit to the desktop

The ZyXEL GS1100 Series offers small offices 8/16/24-port Gigabit connectivity at the most competitive price. Additionally, the GS1100-24 model is equipped with 2 extra SFP slots, supported dual rate (100 M and GbE speed) that enable fiber optic connections for long-distance deployments. With Gigabit network performance and high cost-effectiveness, the GS1100 Series is the ideal solution for bandwidth-intensive applications such as high-resolution photo transmission, video/audio streaming and server farm connections.

Freedom of installation via PoE (GS1100-8HP)

The GS1100-8HP supports the IEEE 802.3at PoE Plus standard to ease the installation of network devices in challenging spaces such as ceilings or walls. The power supply of up to 30 watts per port allows the GS1100-8HP to power PoE-enabled WLAN APs, VoIP phones and IP surveillance cameras through CAT-5 cables of less than 100 meters (300 feet) in length. With the ZyXEL GS1100-8HP, there is no need for extra power adapters in installing PoE devices in difficult locations. This feature helps enterprises reduce installation time and cost when there are many such devices on the network.

Specifications

| B-port GbE Unmanaged PoE Switch 16-port GbE Unmanaged Switch 24-port GbE Unmanaged Switch 24-port GbE Unmanaged Switch vort Density | | | | | |
|--|----------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|
| Unmanaged PoE Switch Unmanaged Switch Unmanaged Switch Unmanaged Switch Unmanaged Switch Unmanaged Switch Unmanaged Switch order Density </th <th>Model</th> <th></th> <th></th> <th></th> <th></th> | Model | | | | |
| Annual Action Annual Action Annual Action Annual Action Yort Dansity 601al port count 8 16 26 24 1000BASE-T 4 16 24 24 1000BASE-T PoE 4 - - - Open SFP slot (GbE) - - 2 - Vertormance - - 2 - Witching capacity (Gbps) 16 32 52 48 Witching forwarding rate (Mpps) 11.9 23.8 38.7 35.7 Packet buffer (byte) 256 K 256 K 525 K AC address A K 8 K 8 K 8 K 8 K 8 K Unto MD/MDI-X Yes Yes Yes Yes Yes 100-240 V AC, 50/60 Hz 100 - 240 V AC, 50/60 Hz 102.1 p CoS Yes Yes Yes Yes Yes 102.1 p CoS Yes Yes Yes <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | |
| Social port count 8 16 26 24 1000BASE-T 4 16 24 24 1000BASE-T PE 4 - - - Open SFP slot (GbE) - - 2 - Verformance - 2 - - witching forwarding rate (Mpps) 11.9 23.8 38.7 35.7 Packet buffer (byte) 256 K 256 K 525 K 525 K AC address 8 K 8 K 8 K 8 K umbo frame (byte) 9 K 9 K 10 K 10 K 02.1 p CoS Yes Yes Yes Yes orback ts torm control Yes Yes Yes Yes Yes Yes Yes Yes Yes | Product name | | H1++++++++ | | |
| 1000BASE-T 4 16 24 24 1000BASE-T POE 4 - - - - Open SFP slot (GbE) - - 2 - Performance 32 52 48 witching capacity (Gbps) 16 32 52 48 acket buffer (byte) 256 K 256 K 525 K 525 K AC address 8 K 8 K 8 K 8 K 8 K unbo frame (byte) 9 K 9 K 10 K 10 K ubo frame (byte) 9 K 9 K 10 K 10 K ubo frame (byte) 9 K 9 K 10 K 10 K ubo frame (byte) 9 K 9 K 100 K 10 K ubo frame (byte) 9 K 9 K 100 K 10 K ubo frame (byte) 9 K 9 K 10 K 10 K ubo frame (byte) 9 K 9 K 100 - 240 V AC, 50/60 Hz 100 - 240 V AC, 50/60 Hz Neg power supply External | Port Density | | | | 1 |
| 1000BASE-T PoE 4 - | Total port count | 8 | 16 | 26 | 24 |
| Open SFP slot (GbE) - - 2 - Verformance - 2 - - witching capacity (Gbps) 16 32 52 48 witching forwarding rate (Mpps) 11.9 23.8 38.7 35.7 'acket buffer (byte) 256 K 256 K 525 K 525 K Adadress 8 K 8 K 8 K 8 K 8 K umbo frame (byte) 9 K 9 K 10 K 10 K 10 K Nuto MDI/MDI-X Yes Yes Yes Yes Yes Yes Broadcast storm control Yes Yes Yes Yes Yes Yes CLAN packet pass-through Yes Yes Yes Yes Yes Yes Power 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz | 1000BASE-T | 4 | 16 | 24 | 24 |
| Deriformance Sector S | 1000BASE-T PoE | 4 | - | - | - |
| Switching capacity (Gbps) 16 32 52 48 witching forwarding rate (Mpps) 11.9 23.8 38.7 35.7 'acket buffer (byte) 256 K 256 K 525 K 525 K 'acket buffer (byte) 256 K 256 K 525 K 525 K 'AC address 8 K 8 K 8 K 8 K 8 K 'acket buffer (byte) 9 K 9 K 9 K 10 K 10 K 'umb frame (byte) 9 K 9 K 9 K 10 K 10 K 'Auto MD!/MDI-X Yes Yes Yes Yes Yes '02.1 p CoS Yes Yes Yes Yes Yes '10 CoS Yes Yes Yes Yes Yes 'CALAN packet pass-through Yes Yes Yes Yes 'Power External Internal Internal Internal 'Adaximum power consumption (watt) 90 8.1 14.7 14.4 'oE power budget (watt) <td< th=""><th>Open SFP slot (GbE)</th><th>-</th><th>-</th><th>2</th><th>-</th></td<> | Open SFP slot (GbE) | - | - | 2 | - |
| Similar forwarding rate (Mpps) 11.9 23.8 38.7 35.7 Packet buffer (byte) 256 K 256 K 525 K 525 K MAC address 8 K 8 K 8 K 8 K 8 K unbo frame (byte) 9 K 9 K 10 K 10 K unto MDI/MDI-X Yes Yes Yes Yes i02.1p CoS Yes Yes Yes Yes io2.1p CoS Yes Yes Yes Yes io2.1p CoS Yes Yes Yes Yes io2.1p CoS Yes Yes Yes Yes ioacat storm control Yes Yes Yes Yes iower mput voltage 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz | Performance | | | | |
| Packet buffer (byte) 256 K 256 K 256 K 525 K 525 K AAC address 8 K 10 K | Switching capacity (Gbps) | 16 | 32 | 52 | 48 |
| AAC address 8 K 8 K 8 K 8 K 8 K 8 K 8 K umbo frame (byte) 9 K 9 K 9 K 10 K 10 K uuto MDI/MDI-X Yes Yes Yes Yes Yes stoat.ast storm control Yes Yes Yes Yes Yes stoadcast storm control External Internal Internal Internal Aximum power consumption (watt) 90 8.1 14.7 14.4 See power budget (watt) 75 - - - See power budget (watt) 75 - | Switching forwarding rate (Mpps) | 11.9 | 23.8 | 38.7 | 35.7 |
| umbo frame (byte) 9 K 9 K 9 K 10 K 10 K Auto MDI/MDI-X Yes | Packet buffer (byte) | 256 K | 256 K | 525 K | 525 K |
| Nuto MD//MDI-X Yes Yes Yes Yes Yes Yes Yes 802.1p CoS Yes Yes Yes Yes Yes Yes Yes Broadcast storm control Yes Yes Yes Yes Yes Yes Broadcast storm control External Internal Internal Internal Astinum power consumption (watt) 90 8.1 14.7 14.4 | MAC address | 8 K | 8 K | 8 K | 8 K |
| NO2.1p CoS Yes Yes Yes Yes Yes Yes Broadcast storm control Yes Yes Yes Yes Yes Yes Broadcast storm control Yes Yes Yes Yes Yes AlkAn packet pass-through Yes Yes Yes Yes Yes Ower mput voltage 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz | Jumbo frame (byte) | 9 K | 9 K | 10 K | 10 K |
| No. No. <th>Auto MDI/MDI-X</th> <th>Yes</th> <th>Yes</th> <th>Yes</th> <th>Yes</th> | Auto MDI/MDI-X | Yes | Yes | Yes | Yes |
| VLAN packet pass-through Yes Yes Yes Yes Power nput voltage 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz 10.51 x 6.38 x 1.65 17.56 x 5.16 x 1.73 10.51 x 6.38 x 1.65 10.51 x 6.38 x 1.65 | 802.1p CoS | Yes | Yes | Yes | Yes |
| Power 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz Internal | Broadcast storm control | Yes | Yes | Yes | Yes |
| nput voltage 54 V DC, 1.66 A 100 - 240 V AC, 50/60 Hz Internal Internal Maximum power consumption (watt) 90 8.1 14.7 14.4 PoE power budget (watt) 75 - - - - Poiscal Specifications 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Weight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Invironmental Specifications 0°C to 50°C/32°F to 122°F 50°C/32°F to 122°F 50°C/32°F to 158°F Operating temperature 0°C to 70°C/-40°F to 158°F 10% to 90% (nor-condensing) 929,704 | VLAN packet pass-through | Yes | Yes | Yes | Yes |
| Power supply External Internal Internal Internal Maximum power consumption (watt) 90 8.1 14.7 14.4 PoE power budget (watt) 75 - - - Physical Specifications 75 - - - Dimensions (WxDxH)(mm/in.) 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Weight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 invironmental Specifications 0°C to 50°C/32°F to 122°F 10.51 x 6.38 x 1.65 10°C to 70°C/-40°F to 158°F Operating temperature - - - - Operating humidity 631,254 1,297,212 1,206,050 929,704 | Power | | | | |
| Maximum power consumption (watt) 90 8.1 14.7 14.4 PoE power budget (watt) 75 - - - Physical Specifications 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Weight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Operating temperature 0°C to 50°C/32°F to 122°F 50°C/32°F to 152°F 50°C/32°F to 152°F Operating humidity 10% to 90% (non-condensing) 40°C to 70°C/-40°F to 158°F 929,704 | Input voltage | 54 V DC, 1.66 A | 100 - 240 V AC, 50/60 Hz | 100 - 240 V AC, 50/60 Hz | 100 - 240 V AC, 50/60 Hz |
| PoE power budget (watt) 75 - - - Physical Specifications - - - - - Dimensions (WxDxH)(mm/in.) 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Veight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Environmental Specifications - - - - Operating temperature - - - - Operating humidity 10% to 90% (non-condensing) 1 10% to 90% (non-condensing) MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Power supply | External | Internal | Internal | Internal |
| Physical Specifications 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Veight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Operating temperature 0°C to 50°C/32°F to 122°F | Maximum power consumption (watt) | 90 | 8.1 | 14.7 | 14.4 |
| Dimensions (WxDxH)(mm/in.) 210 x 104 x 27/ 8.27 x 4.09 x 1.06 215 x 133 x 42/ 8.46 x 5.24 x 1.65 441 x 131 x 44/ 17.36 x 5.16 x 1.73 267 x 162 x 42/ 10.51 x 6.38 x 1.65 Veight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Operating temperature 0°C to 50°C/32°F to 122°F | PoE power budget (watt) | 75 | - | - | - |
| Dimensions (WxDxH)(mm/in.) 8.27 x 4.09 x 1.06 8.46 x 5.24 x 1.65 17.36 x 5.16 x 1.73 10.51 x 6.38 x 1.65 Veight (kg/lb.) 0.54/1.19 0.92/2.28 1.82/4.01 1.53/3.37 Operating temperature 0°C to 50°C/32°F to 122°F 50°C/32°F to 158°F 50°C/32°F to 158°F Operating humidity 10% to 90% (non-condensing) 50°C/32°F to 122°F 50°C/32°F to 158°F Operating humidity 10% to 90% (non-condensing) 50°C/32°F to 122°F 50°C/32°F to 158°F | Physical Specifications | | | | |
| Environmental Specifications 0°C to 50°C/32°F to 122°F Operating temperature -40°C to 70°C/-40°F to 158°F Operating humidity 10% to 90% (non-condensing) MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Dimensions (WxDxH)(mm/in.) | | | | |
| Operating temperature 0°C to 50°C/32°F to 122°F Groage temperature -40°C to 70°C/-40°F to 158°F Operating humidity 10% to 90% (non-condensing) MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Weight (kg/lb.) | 0.54/1.19 | 0.92/2.28 | 1.82/4.01 | 1.53/3.37 |
| Storage temperature -40°C to 70°C/-40°F to 158°F Operating humidity 10% to 90% (non-condensing) MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Environmental Specifications | | | | |
| Operating humidity 10% to 90% (non-condensing) MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Operating temperature | 0°C to 50°C/32°F to 122°F | | | |
| MTBF (hr) 631,254 1,297,212 1,206,050 929,704 | Storage temperature | -40°C to 70°C/-40°F to 158°F | | | |
| | Operating humidity | 10% to 90% (non-condensing) | | | |
| Heat dissipation (BTU/hr) 306.9 27.62 50.13 49.10 | MTBF (hr) | 631,254 | 1,297,212 | 1,206,050 | 929,704 |
| | Heat dissipation (BTU/hr) | 306.9 | 27.62 | 50.13 | 49.10 |

Features

Standard Compliance

- IEEE 802.3 10BASE-T Ethernet
- 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 (GS1100-8HP)
- IEEE 802.3at PoE Plus (GS1100-8HP)

Safety Agency Certification

- EMC:
- CE, FCC, C-Tick, Class A (GS1100-8HP/24)
- CE, FCC, C-Tick, Class B (GS1100-16, 24E)
- BSMI CNS13438

- Safety:
- LVD EN60950-1
- BSMI CNS14336-1
- CB IEC60950-1 (GS1100-8HP/24/24E)
- RoHS compliant

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