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 region to country or region.*

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.

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

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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

Model	GS1100-8HP	GS1100-16	GS1100-24	GS1100-24E
Product name	8-port GbE Unmanaged PoE Switch 	16-port GbE Unmanaged Switch 	24-port GbE Unmanaged Switch 	24-port GbE Unmanaged Switch 
Port Density				
Total port count	8	16	26	24
1000BASE-T	4	16	24	24
1000BASE-T PoE	4	-	-	-
Open SFP slot (GbE)	-	-	2	-
Performance				
Switching capacity (Gbps)	16	32	52	48
Switching 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
Jumbo frame (byte)	9 K	9 K	10 K	10 K
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
802.1p CoS	Yes	Yes	Yes	Yes
Broadcast storm control	Yes	Yes	Yes	Yes
VLAN packet pass-through	Yes	Yes	Yes	Yes
Power				
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
Power supply	External	Internal	Internal	Internal
Maximum power consumption (watt)	90	8.1	14.7	14.4
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
Weight (kg/lb.)	0.54/1.19	0.92/2.28	1.82/4.01	1.53/3.37
Environmental Specifications				
Operating temperature	0°C to 50°C/32°F to 122°F			
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
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

For more product information, visit us on the web at www.ZyXEL.com

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