



- Non-blocking, wire-speed transmission
- Auto MDI/MDI-X support
- IEEE 802.3az compliant
- Fanless design for silent running
- IEEE 802.3x flow control supported
- IEEE 802.1p CoS supported
- Jumbo frame supported up to 9K bytes
- ZyXEL GS1100-16, 16 ports, desktop design
- ZyXEL GS1100-24, 26 ports, rack mount format

GS1100 Series 16/24-port GbE Unmanaged Switch

Affordable Solution for Gigabit Connections to the Desktop

The ZyXEL GS1100 Series is positioned to deliver a solution that requires no switch management for office environments demanding silent operation and green technology. It provides plug-and-play simplicity for high-bandwidth connectivity.

The ZyXEL GS1100 Series consists of two unmanaged switches: the GS1100-16 and GS1100-24. The GS1100-16 is a 16-port 10/100/1000 switch, and the GS1100-24 is a 24-port 10/100/1000 switch with 24 10/100/1000 ports and 2 Gigabit open SFP slots. The GS1100 Series protects your existing network investments while providing you with a straightforward migration path to faster Gigabit speeds.

Key Benefits

IEEE Energy Efficient Ethernet (EEE) compliance

The GS1100 Series offers environmental efficiency with Gigabit Ethernet speeds critical for next-generation network applications. To comply with the IEEE802.3az standard, the GS1100 Series provides power saving functions to reduce energy consumption to help business save cost..

Inactive link detection

The power usage adjustment feature automatically reduces power usage when any shut down network device or inactive link is detected. That is, power consumption of the Series can be adjusted according to the link status or the number of active network devices when possible.

Cable length detection

The devices equipped with this green feature can 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

Since the fanless design ensures quiet operation in small office spaces, the GS1100 Series is the perfect solution for small business and SOHO office deployments.

Gigabit to the desktop

The ZyXEL GS1100 Series comprises of unmanaged Gigabit switches that provide an inexpensive desktop Gigabit solution for significant performance boost thanks to the higher network bandwidth. In addition, the GS1100 switches are equipped with two SFP slots: the 24-port model provides fibre optics connection while the 16-port model offers copper lines (SFP only available at GS1100-24). The 16-port model comes in desktop, wall-mountable or rack-mountable enclosure design.

The flexible connection options (copper lines or fibre optics) enable the switches to easily fit different applications and environments. The GS1100 Series is an ideal solution for bandwidth-intensive applications such as high-resolution photo transmission, video/audio streaming and downloading as well as server farm connections.



Power-packed delivery

With the non-blocking switching architecture, the GS1100 Series filters and forwards packets at wire speed for maximum throughput. Features such as Address learning and aging, 802.3x flow control adjust traffic congestion and ensure reliable data transmission. The GS1100 Series also supports jumbo frames of up to 9k bytes for extra large transfers.

Easy installation

The GS1100 Series offers plug-and-play connectivity and easy installation. With the Auto-MDI/MDI-X feature, it eliminates the need for crossover cables when connecting to another switch or hub; the Auto-negotiation feature senses the link speed of a network device and intelligently adjusts for compatibility and optimal performance.

Specifications

Model	GS1100-16	GS1100-24
Product Name	16-port GbE Unmanaged Switch	24-port GbE Unmanaged Switch
Product Picture		
Port Density		
1000Base-T	16	24
Open SFP Slot (GbE)	-	2
Performance		
Switching capacity (Gbps)	32	52
Switching forwarding rate (Mpps)	23.8	38.7
Packet buffer (Bytes)	256K	448K
MAC address	8K	8K
Auto MDI/MDI-X	Yes	Yes
802.1p CoS	Yes	Yes
Broadcast storm control	Yes	Yes
VLAN packet pass-through	Yes	Yes
Power Requirement		
Input voltage	100 - 240 V AC, 50/60 Hz	
Maximum power consumption (Watt)	6.4	16.2
Physical Specifications		
Dimensions (WxDxH) (mm/in.)	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
Weight (kg/lb.)	1/2.20	2/4.41
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 95% (non-condensing)	

Standard Compliance

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100 Base-Tx Ethernet
- IEEE 802.3ab 1000 Base-T Ethernet
- IEEE 802.3az EEE support
- IEEE 802.3x flow control
- IEEE 802.3z 1000 Base-X (GS1100-24 only)
- IEEE 802.1p CoS

Safety Agency Certification

- UL 60950-1*
- CSA 60950-1*
- EN 60950-1
- IEC 60950-1*
- EU RoHS compliant

* will be available in future releases.

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

