



- Full Wire-speed Store-and-forward Technology Support
- Auto MDI/MDI-X Support for Hassle-free Usage
- IEEE802.1p CoS Support to Priority Transmission According to the Packet Priority Level (GS-1100)
- IEEE 802.3x Flow Control to Optimize Transmission by Reducing Congestion (GS-1100)
- Jumbo Frame Mode Support (Up to 9K bytes) to Maximize Efficiency of Transmitting Giant Packets (GS-1100)
- 1U, 19-inch Rack Mountable

Cost-Advantageous Gigabit to the Desktop Solution

Unmanaged Switch for Small and Medium Enterprises

The full 16/24-port Unmanaged Ethernet Switches range is designed to boost your network for better performance and efficiency. With the auto-negotiation function, the ZyXEL 1000 Series of LAN switches connects the network counterparts with the highest possible network speed and activates the duplex mode automatically.

Benefits

Hassle-free Installation and Use

Connectivity can be as easy as plugging a cable to a port on the switch, since all other functions are performed automatically. All ports on the ZyXEL Switch 1000 Series are Auto MDI/MDIX-capable, so you don't need to worry about the Ethernet cable type; the auto-negotiation also helps adjusting link speed intelligently to achieve the best communication quality. In other words, there is no need to bother tweaking the switches or flipping through user manuals. The ZyXEL LAN Switches 1000 Series is rack-mountable, it can be placed on a rack to save precious office space.

Cost-effective Solution for Gigabit Migration (GS-1100)

The ZyXEL GS-1116A/GS-1124B is a 16-port/24-port unmanaged Gigabit switch providing a cost-effective solution to empower "Gigabit to the desktop" connectivity. This brings significant performance improvement with increased network bandwidth.

Wire-speed Gigabit Engine Boosting the Transmission (GS-1100)

With a robust hardware design, the GS-1116A/GS-1124B performs packet forwarding at wire-speed, which instantly transfers giant packets without performance degradation. In addition, with the support to 802.3x flow control, the GS-1116A/GS-1124B guarantees smooth transmission by adjusting packet transmission to reduce congestion.

Switch 1000 Series
Enterprise LAN Switches



Switch 1000 Series

The ZyXEL LAN Switches 1000 Series come with three groups:

The GS-1100 group is unmanaged Gigabit switches ideal for high-bandwidth requirements.

The ES-1100 group provides 24 10/100Base-TX ports plus 2 GbE dual-personality uplinks ideal for remote office scenarios.

The ES-1000 group provides a standard 16/24 10/100Base-TX port ideal for closed office scenarios.

GS-1100



GS-1124B

- 24 1000Base-T ports
- Switching capacity: 48 Gbps
- Forwarding rate: 38.7 Mpps



GS-1116A

- 14 1000Base-T ports
- 2 GbE dual-personalities
- Switching capacity: 32 Gbps
- Forwarding rate: 26.8 Mpps

ES-1100



ES-1124

- 24 10/100Base-TX ports
- 2 GbE dual-personalities
- Switching capacity: 8.8 Gbps
- Forwarding rate: 6.6 Mpps

ES-1000



ES-1024B

- 24 10/100Base-TX ports
- Switching capacity: 4.8 Gbps
- Forwarding rate: 3.6 Mpps



ES-1016B

- 16 10/100Base-TX ports
- Switching capacity: 3.2 Gbps
- Forwarding rate: 2.4 Mpps

Feature Matrix

Model Name	GS-1124B	GS-1116A	ES-1124	ES-1024B	ES-1016B
10/100Base-TX			24	24	16
1000Base-T	24	14			
Dual Personality GbE Port		2	2		
Auto MDI/MDI-X	Yes	Yes	Yes	Yes	Yes
Switching Capacity	48 Gbps	32 Gbps	8.8 Gbps	4.8 Gbps	3.2 Gbps
Switching Forwarding Rate	38.7 Mpps	26.8 Mpps	6.6 Mpps	3.6 Mpps	2.4 Mpps
Packet Buffer	500 Kb	500 Kb	2.5 Mb	1.25 Mb	1.25 Mb
MAC Address	8K	8K	8K	4K	4K
802.1p CoS	Yes	Yes	Yes	Yes	Yes
Broadcast Storm Control	-	-	-	Yes	Yes
VLAN Packet Pass Through	Yes	Yes	Yes	Yes	Yes
Operating Temperature	0°C ~ 45°C				
Storage Temperature	-25 °C ~ 70°C				
Operating Humidity	10% ~ 90%, (non-condensing)				
Dimensions (W) x (D) x (H) mm	440 x 130 x 45	440 x 130 x 45	440 x 130 x 45	440 x 130 x 45	440 x 130 x 45
Weight	2 kg	3 kg	2.2 kg	1.47 kg	1.39 kg

Standard Compliance

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100 Base-Tx Ethernet
- IEEE 802.3ab 1000 Base-T Ethernet
- IEEE 802.3z
- IEEE 802.3x flow control

Safety Agency Certification

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

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

