



- Non-blocking, wire-speed transmission
- Auto MDI/MDI-X support
- IEEE 802.3az compliant (Energy-Efficient-Ethernet, EEE)
- Fanless design for silent operations
- IEEE 802.3x flow control supported
- IEEE 802.1p CoS supported

IEEE 802.3az-compliant Switch with Decent Performance for Small-group Networks

The ZyXEL Switch ES1100 Series is designed for SMBs to boost business network performance and efficiency. It is positioned to deliver a solution that requires no switch management for office environments demanding silent operation and green technology. It provides not only plug-and-play simplicity for high-bandwidth connectivity but also the N-way Auto-negotiation functions to connect the network counterparts with the highest possible data speed and to activate the duplex mode automatically.

The ES1100 Series consists of three Fast Ethernet switches: the ZyXEL ES1100-16, ES1100-24 and ES1100-24E. The desktop design of ZyXEL ES1100-16/24E switch is ideal for SB or SOHO users seeking reliable network connectivity that fits into rack environment easily, while the ES1100-24 is designed for 19" racks, making it easy to be deployed in standard wiring closets.

Benefits

Best-in-class solution for Fast Ethernet environments

The ES1100 Series comprises of unmanaged Fast Ethernet switches that provide an inexpensive solution for Fast Ethernet connections to the desktop with outstanding performance. The ES1100 Series is an ideal solution for bandwidth-intensive applications such as high-resolution photo delivery, video/audio streaming and downloading as well as server farm connections.

Better performance and efficiency

The full ES1100 range of 16/24-port Fast Ethernet switches has been designed to boost your network with better performance and efficiency. With the N-Way Auto-negotiation function, the ES1100 Series connects the network counterparts with the highest possible data speed and activates the duplex mode automatically.

Transmission reliability

Unlike shared 10/100 Mbps networks, the ES1100 Series eliminates congestion by providing dedicated bandwidth; and its duplex mode doubles the effective bandwidth by enabling two-way communications. The store-and-forward service brings low latency and error-free packet delivering, while the plug-and-play and multiple network protocol compatibility of the ES1100 Series makes installation and management easier and faster than ever.

Desktop size with flexible rackmount and wallmount design fits your working environments

With embedded rackmount brackets, the desktop size devices can fit into your rack environment easily. No matter how intense your network demand is, the ES1100 Series supports your needs with an affordable and reliable network solution designed especially for small businesses.

ES1100 Series 16/24-port FE Unmanaged Switch

Green networking

The environment-aware ES1100 Series offers 10/100M Ethernet speeds critical to the next-generation network applications, and it also provides power-saving functions to reduce energy consumption for lower operating cost.

Traffic detection — IEEE Energy-Efficient-Ethernet (EEE) compliance

The feature automatically detects network traffics and adjusts power consumption accordingly in a dynamic manner. It reduces power consumption during the low link utilization periods.

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.

Specifications

Model	ES1100-16	ES1100-24E	ES1100-24
			
Port Density			
10/100Base-T	16	24	24
Performance			
Switching Capacity (Gbps)	3.2	4.8	4.8
Switching Forwarding Rate (Mpps)	2.38	3.6	3.6
Packet Buffer	256 KB	256 KB	256 KB
MAC Address	8K	8K	8K
Jumbo frame support (up to 2048 bytes)	Yes	Yes	Yes
802.3x flow control prioritization	Yes	Yes	Yes
802.1p CoS	Yes	Yes	Yes
Broadcast Storm Control	Yes	Yes	Yes
Back-Pressure-Base flow control	Yes	Yes	Yes
Loop-detection	Yes	Yes	Yes
Auto MDI/MDI-X	Yes	Yes	Yes
Power Requirement			
Input voltage of AC	100 - 240 V AC, 50/60 Hz		
Maximum power consumption (Watt)	2.65	4.05	4.05
Environmental Specification			
Operating temperature	0°C to 50°C		
Storage temperature	-40°C to 70°C		
Operating humidity	10% to 95% (non-condensing)		
Physical Feature			
Fanless	Yes	Yes	Yes
Dimensions (WxDxH)(mm)(in.)	216 x 133 x 42 8.50" x 5.24" x 1.65"	267 x 162 x 42 10.51" x 6.38" x 1.65"	441 x 131 x 44 17.36" x 5.16" x 1.73"
Weight (kg/lb.)	0.77/1.70	1.28/2.82	1.35/2.98

Standard Compliance

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX Fast Ethernet
- IEEE 802.3x flow control and Back-pressure
- IEEE 802.1p CoS
- IEEE 802.3az EEE

Safety Agency Certification

- EN 60950-1
- IEC 60950-1
- EU RoHS Compliant

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



Copyright © 2011 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.