

Dimension ES-1016/ES-1024 Ethernet Switches



ZyXEL's ES-1016 and ES-1024 are 16 and 24-port 10/100 Mbps Ethernet switches. Both models provide auto-sensing 10/100 Mbps switching capabilities for efficient connectivity to servers, workstations and other attached devices. Plug-n-play usability, outstanding price-to-performance ratio, and flexible designs make the ES-1016 and ES-1024 simple and affordable solutions for a wide range of workgroup applications.

Benefits

Simple-to-use

Both the ES-1016 and ES-1024 feature auto-sensing 10/100Mbps ports that automatically detect the speed and duplex mode of attached networking devices, making installation fast and easy.

Auto-MDI/MDI-X

Auto-MDI/MDI-X features in both the ES-1016 and ES-1024 automatically adjust the transmit/receive pins within a port, rendering crossover cables unnecessary. Auto MDI/MDI-X is based on signals detected from the wires of attached devices.

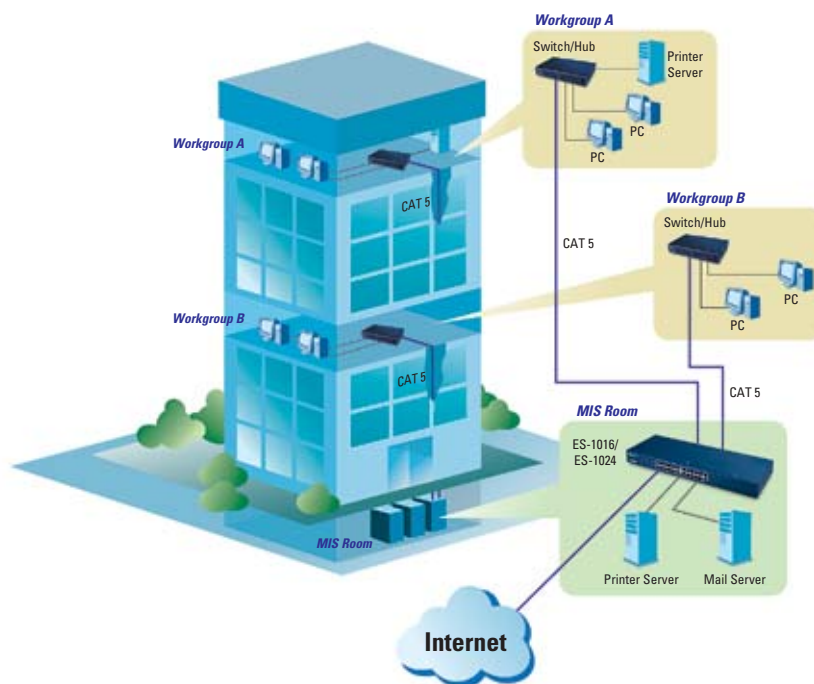
Flow Control for Congestion Prevention

The IEEE 802.3x standard-based flow control allows both the ES-1016 and ES-1024 to prevent traffic congestion by informing attached devices to stop transmission. When the switches detect that the buffer of each port is nearly full, attached devices are requested to wait until new data can be accepted. Flow control allows 200 Mbps full duplex connections between servers and switches with minimum data transfer loss.

Flexible Design for Both Desktop and Cabinet Installation

Whether the ES-1016 and the ES-1024 are the only devices in an office, or components of an extensive, complicated network, the 1U, 19" rack-mountable design makes both models ideal for desktop or cabinet installation.

ES - 1016 / ES - 1024 for Workgroup Application



Features & Specifications

	ES-1016	ES-1024
General		
Standard	<ul style="list-style-type: none"> IEEE802.3 10BASE-T Ethernet (twisted-pair copper) IEEE802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) ANSI/IEEE802.3 Auto-negotiation IEEE802.3x Flow Control 	
Interface	• 16 10/100BASE-T Ethernet port	• 24 10/100BASE-T Ethernet port
Data Transfer Rate	<ul style="list-style-type: none"> Ethernet: 10Mbps (half duplex), 20Mbps (full duplex) Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex) 	
Cabling	<ul style="list-style-type: none"> 10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 (100 m) 100BASE-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 (100 m) 	
Full/Half Duplex	• Full/half duplex for 10/100Mbps speeds	
Media Interface Exchange	• All ports MDI/MDI-X auto-adjustment	
Performance & Management		
Back Plane	• Non-Blocking full wire speed forwarding rate 3.2Gbps	
Packet Forwarding Rate	<ul style="list-style-type: none"> 14880pps for 10BASE-T 148800pps for 100BASE-TX 	<ul style="list-style-type: none"> 14880pps for 10BASE-T 148800pps for 100BASE-TX
Switching Method	• Store-and-forward	• Store-and-forward
MAC Address Table	• 8K entries	• 8K entries
Data Buffer	• 512KB	• 512KB
Physical & Environment		
Weight	• 2Kg	• 2.2Kg
LED	<ul style="list-style-type: none"> Per port: LK/ACT, FD/COL (Full-duplex/Collision) System: power 	
Dimensions	• 440mm(W) x 160mm(D) x 44mm(H)	• 440mm(W) x 160mm(D) x 44mm(H)
Power Supply	• 100 ~ 240VAC 50/60Hz internal universal power supply	
Power Consumption	• 10W max	• 16W max
Operating Temperature	• 0°C ~ 45°C (32°F ~ 113°F)	• 0°C ~ 45°C (32°F ~ 113°F)
Operational Humidity	• 10% ~ 90% (Non-condensing)	• 10% ~ 90% (Non-condensing)
EMI	<ul style="list-style-type: none"> FCC Class A CE 	<ul style="list-style-type: none"> FCC Class A CE
Safety	• UL, cUL	• UL, cUL