



ES-1016B
16-port Unmanaged Rackmount Ethernet Switch



ES-1024B
24-port Unmanaged Rackmount Ethernet Switch

Easy and Efficient Fast Ethernet Connectivity for SMB

Benefits

Better Performance and Efficiency

The full range of Rackmount Unmanaged Ethernet Switch, with 16/24-ports, is designed to boost your network with better performance and efficiency. With the N-Way auto-negotiation function, the ES-1016B/1024B connects the network counterparts with the highest possible network speed and activates duplex mode automatically.

Transmission Reliability

Unlike shared 10/100Mbps networks, the ZyXEL Rackmount Ethernet Switch series, the ES-1016B/1024B, eliminates congestion by providing dedicated bandwidth. Its duplex mode doubles the effective bandwidth by enabling two-way communications. Store-and-forward service brings low latency and error-free packet delivering. The plug-and-play and multiple network protocol compatibility of ES-1016B/1024B make the installation and management easier and faster than ever.

Industrial Size Fits Your Working Environment

The 19" size fits into your rack environment due to included rack mount brackets. No matter how intensive your network demands, ZyXEL's 16/24-port rackmount unmanaged Ethernet switch support your needs with an affordable and reliable network solution designed especially for Small office and Medium business.

- 16/24 autosensing 10/100 full duplex ports
- Full wire-speed store-and-forward technology support
- Auto-MDI/MDI-X functions support



16/24-port Unmanaged Rackmount Ethernet Switch

ES-1016B/
ES-1024B

Specifications

Standards

- IEEE802.3 10BASE-T Ethernet
- IEEE802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE802.3 Auto-negotiation
- IEEE802.3x Flow Control

Data Transfer Rates

- Ethernet 10M/20Mbps (half/full duplex)
- Fast Ethernet 100M/200M (half/full duplex)

Interface

- ES-1016B: 16 10/100BASE-T Ethernet ports
- ES-1024B: 24 10/100BASE-T Ethernet ports

Network Cables

- 10BASE-T: UTP Cat.3, 4, 5 (100 max.)
EIA/TIA-586 100-ohm STP (100 max.)
- 100BASE-TX: UTP Cat.5 (100 m max.)
EIA/TIA-568 100-ohm STP (100 max.)

Media Interface Exchange

- MDI-II/MDI-X auto-adjustment for each port

System Requirement

- Network card for each PC
- Network Cables

Status LED

- System: power
- Per Port: Link/Activity

Back Plane

- Non-Blocking full wire-speed forwarding rate
 - ES-1016B: 3.2Gbps
 - ES-1024B: 4.8Gbps
- Packet Forwarding Rate
 - 14880PPS for 10BASE-T
 - 148800PPS for 100BASE-TX

Switching Method: Store-and-forward

- Data Buffer: 1.25Mb
- MAC Address Table: 8K entries

Power Requirement

- Power supply: 100 - 240VAC 50/60Hz internal universal power supply, 3.3V 4A

Power Consumption

- ES-1016B: 6.44W (max)
- ES-1024B: 7.26W (max)

Environment Specification

- Operating temperature: 0°C ~ 50°C (32°C ~ 122°C)
- Operating humidity: 10% to 90% (Non-condensing)

Physical Specification

Model Name	Weight	Dimensions
ES-1016B	1370g	444.5 x 130 x 42 (L x W x H) mm
ES-1024B	1448g	444.5 x 130 x 42 (L x W x H) mm

Certification

- FCC Class A
- CE
- C-Tick

Feature Matrix

Unmanaged Ethernet Switch

	Fast Ethernet Switch			Gigabit Ethernet Switch	
	ES-1124	ES-1024B	ES-1016B	GS-1124	GS-1116
Port Number 10/100 RJ45	24	24	16		
Port Number 100/1000	2 x 1000Base-T			24 x 1000Base-T	16 x 1000Base-T
Gigabit Fiber	2 x mini-GBIC (shared)			2 x mini-GBIC (shared)	2 x mini-GBIC (shared)
802.3/802.3u Compliant	x	x	x	x	x
802.1p CoS	x	x	x	x	x
Jumbo Frame				x	x
All Ports MDI/MDI-X	x	x	x	x	x
full/half Duplex Auto Negotiation	x	x	x	x	x
VLAN packet pass through	x	x	x	x	x
MAC Address Table	8K	8K	8K	4K	4K
Switching Capability	8.8Gbps	4.8Gbps	3.2Gbps	48Gbps	32Gbps
Packet Buffer	2.5Mbit	1.25Mbit	1.25Mbit	2Mbit	2Mbit
Dimension W x D x H (mm)	440 x 161 x 44 (1U, 19")	444.5 x 130 x 42 (1U, 19")	444.5 x 130 x 42 (1U, 19")	440 x 224 x 44 (1U, 19")	440 x 224 x 44 (1U, 19")
Rack mountable	x	x	x	x	x
Internal Switching Power	x	x	x	x	x

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

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