

ZyXEL



Cost-Effective Performance for Home & Small Office Networks

- 8/16/24 autosensing 10/100 full duplex ports
- Internal power adapter available
- Full wire-speed store-and-forward technology support
- Auto-MDI/MDI-X functions support



Benefits

Better Performance and Efficiency

The full range of the Desktop Ethernet Switch, with 8/16/24-port and internal power adapter, is designed to boost your network with better performance and efficiency. With the N-way auto-negotiation function, the ES-108P/116P/124P connects the network counterparts with the highest possible network speed and activates duplex mode automatically.

Transmission Reliability

Unlike shared 10/100 Mbps networks, the ZyXEL Desktop Ethernet Switch series 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 the ES-108P/116P/124P make the installation and management easier and faster than ever.

Compact Size Fits Your Working Environment

The compact size fits into any working environment due to the included rack mount brackets. No matter how intensive your network demands, ZyXEL's Desktop Ethernet Switch series, with internal power adapters, supports your needs with an affordable and reliable network solution designed especially for SOHO and Small Office.

8/16/24-port
Desktop Ethernet Switch

ES-108P/
116P/124P

SWITCH



Specifications

System

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-108P: 8 10/100BASE-T Ethernet ports
- ES-116P: 16 10/100BASE-T Ethernet ports
- ES-124P: 24 10/100BASE-T Ethernet ports

Network Cables

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

Media Interface Exchange

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

System Requirement

- Network card for each PC
- Network Cables

Status LED

- Per Port Link/Activity
- Per unit: PWR

Performance

Back Plane

- Non-Blocking full wire-speed forwarding rate
 - ES-108P: 1.6Gbps
 - ES-116P: 3.2Gbps
 - ES-124P: 4.8Gbps

- Packet Forwarding Rate:
 - 14,880PPS for 10BASE-T
 - 148,800PPS for 100BASE-TX

Switching Method: Store-and-forward

- Data Buffer:
 - ES-108P: 768Kb
 - ES-116P/ES-124P: 1.25Mb
- MAC Address Table
 - ES-108P: 1K entries
 - ES-116P/ES-124P: 8K entries

Physical Specifications

Model Name	Weight	Dimensions
ES-108P	429g	194(L) x 85(W) x 25(H) mm
ES-116P	867g	215(L) x 133(W) x 42(H) mm
ES-124P	1372g	267(L) x 152.5(W) x 42(H) mm

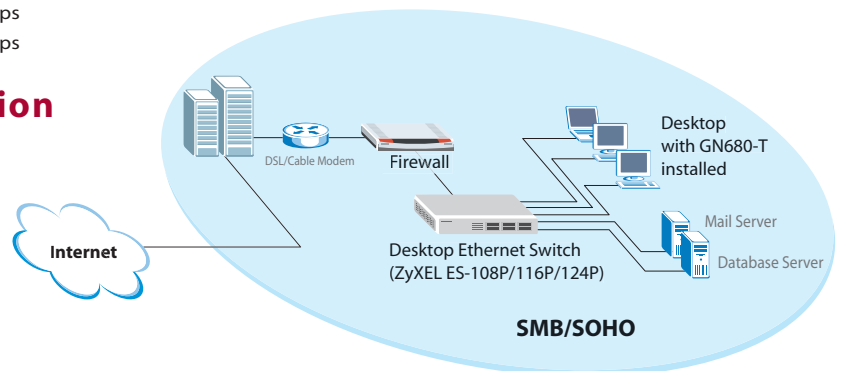
Environmental Specifications

- Operating temperature: 0°C ~ 50°C
- Operating humidity: 10% to 90% (Non-condensing)
- Power supply :
 - ES-108P: 3.3VDC, 2A (100-240V/50-60Hz)
 - ES-116P/ES-124P: 3.3VDC, 4A (100-240V/50-60Hz)
- Power consumption:
 - ES-108P: 3.44W (max)
 - ES-116P: 6.44W (max)
 - ES-124P: 7.26W (max)

Certification

- FCC Class B
- CE
- C-Tick

Application Diagram



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

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