



## Plug-and-Play Desktop Switch for Home Users

- **Compact design**
- **Plug-and-Play for easily connecting up to 5/8 networking devices**
- **Power saving by automatically detecting link status and cable length**

### Benefits

#### Compact design

The ZyXEL ES-105E/ES-108E comes with 5/8 Fast Ethernet ports designed for easy home network extension, while the compact design also fits into any home environment easily. The optional wall-mount installation also helps you to free up the room space.

#### Easy extension of home network

The ES-105E/ES-108E offers a simple solution to fulfill your online gaming, multimedia transferring and streaming needs. With just plug and play, users can easily connect network devices such as PCs, network storages and print servers to the home network without manual configuration.

With the Nway auto-negotiation function, the ES-105E/ES-108E connects to its network counterparts with the highest possible speed and activates full-duplex mode automatically, while the store-and-forward service brings low latency and error-free packet delivery.

#### Power saving via link status and cable length detection

The ES-105E/ES-108E features green solutions that provide power-saving benefits without compromising performance. By detecting any shutdown network devices or inactive links, the ES-105E/ES-108E can automatically adjust power usage per number of active network devices.

The ES-105E/ES-108E can also detect the length of connected Ethernet cables and adjust power usage accordingly: the shorter the Ethernet cable length is, the less power it consumes.



**ES-105E  
ES-108E**  
**5-Port/8-Port Desktop Fast  
Ethernet Switch**



Cable Length  
Detection



Inactive Link  
Detection



## Specifications

### System Specifications

#### Interface

- ES-105E: 5 x 10/100 Mbps Ethernet ports
- ES-108E: 8 x 10/100 Mbps Ethernet ports

#### Standard

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX Fast Ethernet
- IEEE 802.3 Nway auto-negotiation
- IEEE 802.3x full duplex operation and flow control

#### Performance

- Data transfer rate (Half duplex/Full duplex):
  - Ethernet: 10/20 Mbps
  - Fast Ethernet: 100/200 Mbps
- MAC address table:
  - ES-105E: 1K
  - ES-108E: 2K
- Memory buffer:
  - ES-105E: 48 KB
  - ES-108E: 96 KB
- Switching fabric (Non-blocking):
  - ES-105E: 1.0 Gbps
  - ES-108E: 1.6 Gbps

#### Features

- Auto-MDI/MDIX on all ports
- Transmission method: store-and-forward architecture

### Hardware Specifications

#### LED Indicator

- PWR: Power
- Per port: Link/Activity

#### Power Supply

- External switching power adapter
  - Input: 100-240 V AC
  - Output: 9 V DC, 0.6 A

#### Power Consumption

- ES-105E: 2.5 watt max.
- ES-108E: 2.5 watt max.

### Physical Specifications

#### Item dimensions (WxDxH):

- ES-105E: 142 x 87 x 28 mm (5.5" x 3.4" x 1.1")
- ES-108E: 142 x 87 x 28 mm (5.5" x 3.4" x 1.1")

#### Item weight:

- ES-105E: 125 g (0.28 lb.)
- ES-108E: 160 g (0.35 lb.)

#### Packing dimensions (WxDxH):

- ES-105E: 146 x 92 x 86 mm (5.75" x 3.62" x 3.39")
- ES-108E: 146 x 92 x 86 mm (5.75" x 3.62" x 3.39")

#### Packing weight:

- ES-105E: 267 g (0.59 lb.)
- ES-108E: 302 g (0.67 lb.)

### Environmental Specifications

#### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

#### Storage Environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 5% to 90% (Non-condensing)

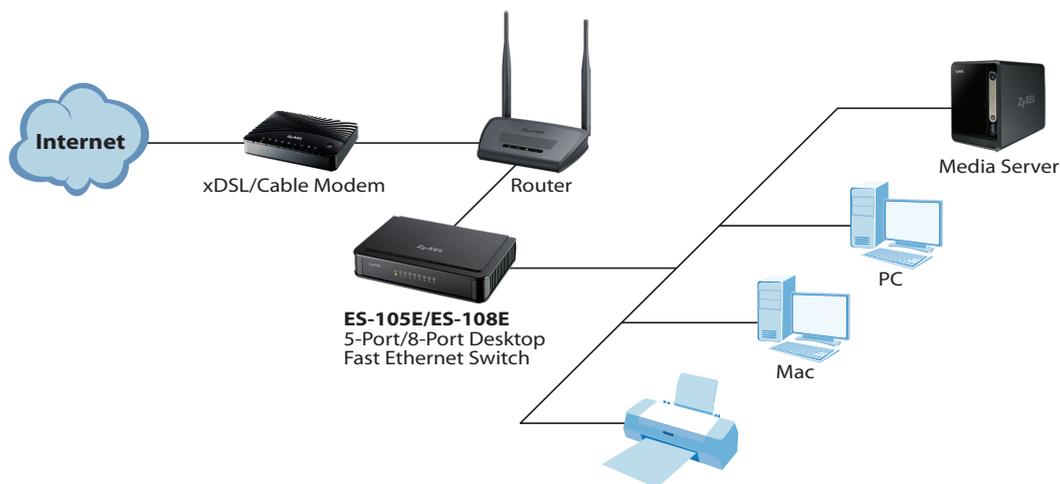
### Certification

- CE, FCC Class B, C-Tick

### Packing Contents

- Ethernet switch
- Power adapter
- User's guide
- Warranty card

## Application Diagram



For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



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