

Easy and Reliable Network Expansion for Home Users

- **Compact and stylish design**
- **Plug-and-Play design for easily connecting up to 5/8 network devices**
- **Get optimal bandwidth for media traffics through VIP ports**
- **Automatically adjust the power consumption by detecting the link status and cable length**

Benefits

Compact and stylish design

The stylish and compact metal housing of the ES-105A/ES-108A fits any working environments. The affordable and reliable series comes with 5/8 ports to meet home network expansion needs.

Get optimal bandwidth for media traffics through VIP ports

The ZyXEL ES-105A/ES-108A is designed with 2/3 "VIP" ports. With port-based QoS feature, the ES-105A/ES-108A provides considerably enhanced download quality. Users can experience better performance of Internet surfing, online gaming and multimedia streaming preferred through prioritized bandwidth setting.

Easy to connect multiple devices

The ES-105A/ES-108A is designed to boost your home network with better performance and efficiency. With N-way auto-negotiation function, the ES-105A/ES-108A connects to network counterparts with highest possible speed and activates full-duplex mode automatically, while the store-and-forward service brings low latency and error-free packet delivery. You can also easily connect devices such as PCs, network storages and print servers to the home network without any manual configuration.

Energy saving via link status and cable length detection

The ES-105A/ES-108A features Green solutions that provide power-saving benefits without compromising performance. The ES-105A/ES-108A automatically reduces power usage by detecting any shutdown network device or inactive link. In other words, power consumption of the ES-105A/ES-108A adjusts usage according to the number of active network devices.

The ES-105A/ES-108A 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-105A/ES-108A
5/8-Port Desktop Fast
Ethernet Switch



Detect
Cable Length



Adjust
Power Usage



Specifications

System Specifications

Interface

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

- Auto-MDI/MDIX on all ports
- Transmission method:
 - Store-and-forward architecture
- Data transfer rate (half duplex/full duplex):
 - Ethernet: 10/20 Mbps
 - Fast Ethernet: 100/200 Mbps
- MAC address table:
 - ES-105A: 2 K
 - ES-108A: 1 K
- Memory buffer:
 - ES-105A: 48 KB
 - ES-108A: 96 KB
- Switching fabric (non-blocking):
 - ES-105A: 1.0 Gbps
 - ES-108A: 1.6 Gbps

Hardware Specifications

- LED indicator:
 - PWR: Power
 - Per port: Link/Activity
- Power supply:
 - External switching power adapter
 - Input: 100 - 240 V AC
 - Output: 5 V DC, 0.6 A
- Power consumption:
 - ES-105A: 2.25 watt max.
 - ES-108A: 2.40 watt max.

Physical Specifications

- Item dimensions (WxDxH):
 - ES-105A: 121 x 75 x 26 mm (4.8" x 3.0" x 1.0")
 - ES-108A: 154.5 x 85 x 26 mm (6.1" x 3.3" x 1.0")
- Item weight:
 - ES-105A: 248 g (0.55 lb.)
 - ES-108A: 340 g (0.75 lb.)
- Packing dimensions (WxDxH):
 - ES-105A: 234 x 58 x 149 mm (9.2" x 2.3" x 5.9")
 - ES-108A: 234 x 58 x 149 mm (9.2" x 2.3" x 5.9")
- Packing weight:
 - ES-105A: 481 g (1.06 lb.)
 - ES-108A: 568 g (1.26 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 50°C (32°F to 122°F)
- Humidity: 10% to 95% (Non-condensing)

Storage Environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

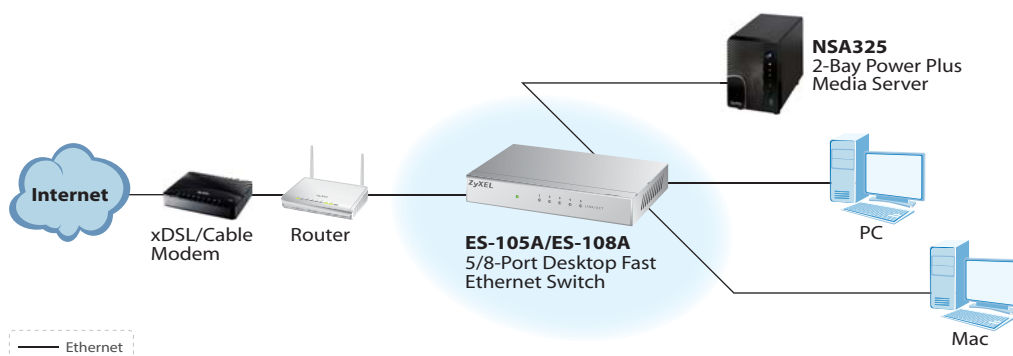
Certifications

- CE, FCC Class B, C-Tick

Package 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



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