EDIMAX
NETWORKING PEOPLE TOGETHER

USB power cable included

*1A current-USB adapter not included

8-Port Gigabit Desktop Switch

ES-5800G V4

FEATURES

- **Gigabit High Speed:** 8 x Gigabit RJ45 port
- **Powered by USB Port:** Supports optional USB power input through a USB to DC power cable
- **High Performance & Reliable Connection:** Supports IEEE 802.3x Flow Control, Auto Negotiation, Auto MDI/MDI-X, Auto-Correction.
- **Non-Blocking Wire Speed:** Store-and-forward architecture filters fragment & CRC error packets
- **Jumbo Frame:** Supports 9.2K jumbo frames to improve network utilization in large files transferring
- **Energy saving and Noiseless:** Supports IEEE802.3az energy efficient Ethernet function with fanless design
- **Compact size with Wall-mount Design:** Space-saving, neat-wiring, and enhanced aesthetics

OVERVIEW

The EDIMAX ES-5800G V4 switch equipped 8 Gigabit ports to expand the high speed network with compact size. It boasts outstanding performance and high efficiency, while its store and forward packet-switching and 9.2K jumbo frames technologies to improve network utilization in large files transferring. It is ideal for network connectivity at home, small office, and small-and-Medium business environments.

Moreover, it complies with IEEE 802.3az Energy Efficient Ethernet, Inactive Link Detection and Cable Length Detection for Energy Efficient & Power Saving. The ES-5800G V4 is designed with fanless, wall-mounted hole, and can be powered by a USB port for flexible-deployment, cost-effectiveness, and energy efficiency.

Gigabit High-Speed Network

With Gigabit speed, the ES-5800G V4 brings high-speed connectivity and delivers 1000Mbps throughput per port to servers, workstations and other attached devices. It supports 9.2KB jumbo frames to improve network utilization in large files transferring.
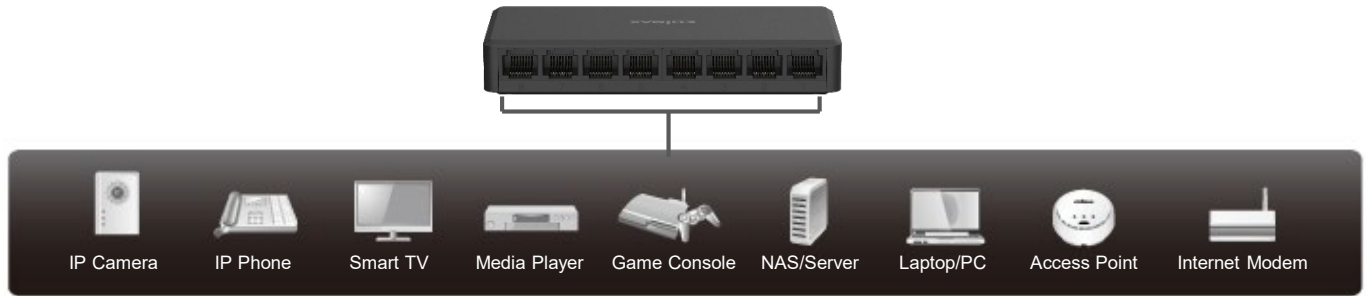
High Performance and Reliable Connection

The ES-5800G V4 provides you with maximum speed and highest performance possible, for each device connected to your network with features of IEEE 802.3x Flow Control, Auto-Negotiation, Non-Blocking Wire Speed, Auto-MDI/MDI-X, Auto-Correction, Store-and-Forward Architecture which filters fragment & CRC error packets for maximizing network performance.
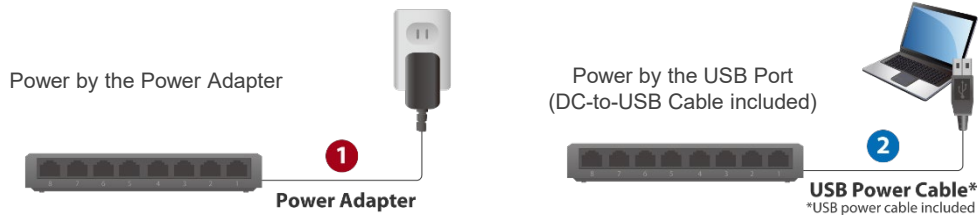
Energy Efficient and Power Saving

To comply with the IEEE802.3az Energy Efficient Ethernet standard, the ES-5800G V4 provides power-saving functionality to reduce energy consumption and save costs. Featuring with Inactive Link Detection, inactive devices without power delivery and Cable Length Detection, the shorter cable length, the less power consumption, the ES-5800G V4 can reduce or adjust power usage accordingly.

APPLICATION DIAGRAM

| IP Camera | IP Phone | Smart TV | Media Player | Game Console | NAS/Server | Laptop/PC | Access Point | Internet Modem |

Power Input Options

Power by the Power Adapter

① **Power Adapter**

Power by the USB Port
(DC-to-USB Cable included)

② **USB Power Cable***
*USB power cable included

SPECIFICATIONS

HARDWARE

Ports	8 x RJ-45 10/100/1000Base-T Ports
Transmission Method	Store and Forward
LED Indicators	Per port: Link/Act Per unit: Power ON/OFF
Power Input	1. External AC/DC Power Adapter (5V/1A Included) or 2. Powered by a USB Type-A Port (10cm DC to USB Type-A Cable Included)
Power Consumption	3W (Max.)
Mounting	Desktop/Wall-Mount
Housing	Plastic
Fan	Fanless
Dimensions	52(W) x 125(D) x 20(H) mm (2.05 (W) x 4.92 (D) x 0.787 (H) inches)
Weight	80g (2.82oz)

PERFORMANCE

Switching Capacity/ Backplane	16Gbps
Forwarding Rates	Max. 11.9Mpps
MAC Address Table	4K
Jumbo Frame	9.2KB
Pack Buffer	1.5Mb

OTHERS

Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3x Full-duplex and flow control IEEE 802.3az Energy efficient Etherent
Environmental Condition	Operating Temperature: 0~40°C (32~104°F) Storage Temperature: -40~70°C (-40~158°F) Operating Humidity: 10~90% (NonCondensing) Storage Humidity: 5~90% (NonCondensing)
Certification	CE, FCC, RCM

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.