



9K Jumbo frame improves performance of large data transfers



Reduce power use by over 70%



ES-5500G V2

5-Port Gigabit Desktop Switch

Description

The ES-5500G V2 is a 10/100/1000 Mbps Ethernet Desktop unmanaged switch designed to enhance network performance in a compact form factor, and with outstanding performance and high efficiency. The switch uses store and forward packet-switching technology which offers reliable data transfer. This switch is ideal for network connectivity for the SOHO environment.

The ES-5500G V2 with plastic housing offers a cost-effective Gigabit Ethernet solution for users to easily extend home networks and to fulfill their online gaming, multimedia transferring and streaming needs. The plug-and-play design allows users to easily connect network devices such as PCs, network storages and print servers to the home network without manual configuration involved.

IEEE Energy Efficient Ethernet (EEE) compliance saves power

The Switch ES-5500G V2 offers environmental efficiency with Fast Ethernet speeds critical for next-generation network applications. To comply with the IEEE802.3az standard, the Switch ES-5500G V2 provides power saving functions to reduce energy consumption to help business save cost.

•Inactive link detection

The power usage adjustment feature automatically reduces power usage when any shut down network device or inactive link is detected. That is, power consumption of the switch can be adjusted according to the link status or the number of active network devices when possible.

•Cable length detection

The devices equipped with this green feature can automatically detect the length of connected Ethernet cables and adjust power usage accordingly. The shorter the cable length, the less power it consumes.

Supports High-Speed Networking and Jumbo Frames

The ES-5500G V2 is an excellent solution to expand your Gigabit network. With Gigabit speed, the ES-5500G V2 gives high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time when transferring large files. In addition, it also supports Jumbo Frames 9K to improve network utilization in large files transfer.

Supports Auto-Negotiation

Every port of the ES-5500G V2 can automatically distinguish the connected network devices are running at 10Mbps, 100Mbps and 1000Mbps for Half/Full-Duplex mode . The ES-5500G V2 can adjust the speed and mode accordingly.

Easy to Use

The ES-5500G V2 is plug-and-play and supports all kind of network protocols to make installation and network management easy and fast. LED indicators provide a quick and easy way to read port and switch information.



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Features

- Complies with IEEE802.3, IEEE802.3u and IEEE802.3ab standards
- Supports auto MDI/MDI-X crossover detecting and auto correction
- Supports full and half duplex for 10/100Mbps, and full duplex for 1000Mbps
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports jumbo frames up to 9K bytes
- Supports IEEE802.3az energy efficient Ethernet function

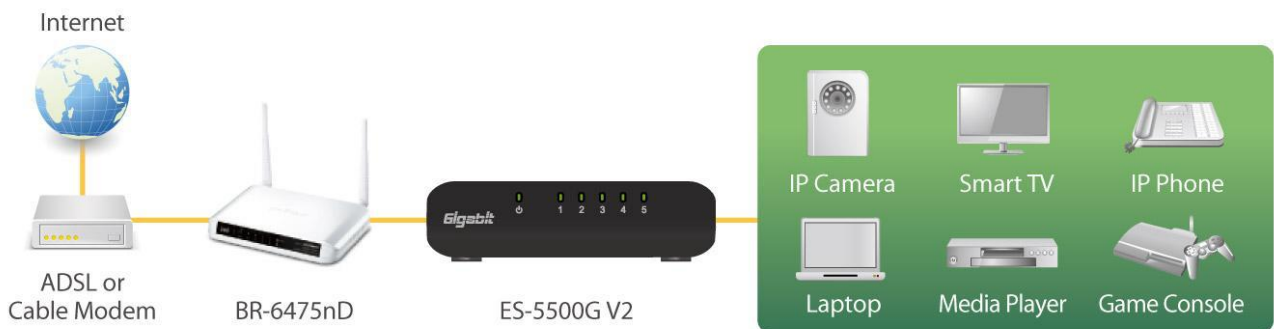
Specifications

Standards	Features	Filtering / Forwarding Rates
<ul style="list-style-type: none"> •IEEE 802.3 10BASE-T •IEEE 802.3u 100BASE-TX •IEEE 802.3ab 1000BASE-T •IEEE 802.3x Flow Control •IEEE 802.3az Energy Efficient Ethernet 	<ul style="list-style-type: none"> •5 RJ-45 Ports •MAC Address: 2K •Buffer Memory: 128K •Jumbo Frame: 9K •Transmission Method: Store and Forward 	<ul style="list-style-type: none"> •1000Mbps Port –1,488,000pps •100Mbps Port –148,800pps •10Mbps Port –14,880pps
Transmission Media	LED Indicators	Power Requirement
<ul style="list-style-type: none"> •10BASE-T Cat. 3, 4, 5 UTP/STP •100BASE-TX Cat. 5 UTP/STP •1000BASE-T Cat. 5E UTP/STP 	<ul style="list-style-type: none"> •Per Port: Link/Act •Per Unit: Power 	<ul style="list-style-type: none"> •DC 5V 1A
Power Consumption	Dimensions	Weight
<ul style="list-style-type: none"> •2 Watts (Max) 	<ul style="list-style-type: none"> •98 x71 x25.5 mm (L x W x H) 	<ul style="list-style-type: none"> •112g
Temperature	Humidity	Certifications
<ul style="list-style-type: none"> •Operating: 0 to 40°C •Storage: -20 to 70°C 	<ul style="list-style-type: none"> •Operating: 10 to 90% RH (Non-condensing) •Storage: 5 to 90% RH (Non-condensing) 	<ul style="list-style-type: none"> •CE •FCC Class B

Network Setup Diagram and Related Products

An example to setup ES-5500G V2:

- Connect the ES-5500G V2 to your Router or cable/xDSL modem.
- Connect Print Server, NAS , Smart TV, Laptop, Media Player, Game Console and IP Camera to ES-5500G V2.



Power Saving

