

## 5 Port Energy-Efficient Gigabit Ethernet Desktop Switch

DS51002 / DS51002EU / DS51002GB



\*actual product may vary from photos

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## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Product Diagram

## Front View



## LED Indicators

### 1 x PWR (Green)

Solid: Power is connected and functioning

### 5 x Link / Act (Green)

Solid: Link detected

Flashing: Activity

Off: No Link detected

## Rear View



# Introduction

## Packaging Contents

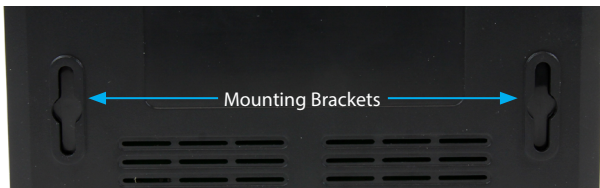
- 1 x Ethernet Switch
- 1 x Power Adapter
- 1 x Instruction Manual

## System Requirements

- Available AC electrical outlet
- 10/100/1000 Mbps compatible network devices
- Cat3 or better UTP Ethernet cabling (Cat5 or better recommended)

## Installation

1. The Network Switch is designed to sit on a flat surface (such as a desktop) or be securely mounted to a wall or similar surface. If you wish to mount the Network Switch, first prepare the surface by installing mounting screws (not included) otherwise skip to Step 5.



2. The distance between the two mounting sockets on the back of the Network Switch is approximately 13.5cm. Mark the distance on the wall, making sure your marks are straight and level.

- Depending on the mounting surface, use the appropriate tools and hardware to install mounting screws into the surface. There should be a gap of approximately 2 mm between the head of the screw and the wall surface.
- Place the Network Switch so that the wide openings of the mounting sockets are over the screw heads. Slide the case downward so that the screw heads slide into the narrow slots.
- Connect one end of your network cable to an open port on the rear panel of the Network Switch. Plug the other end of the cable into the RJ-45 port on your network device (e.g. computer, router, another switch, etc.). Repeat for each additional network devices you wish to connect to the Network Switch.
- Plug one end of the power adapter into an open electrical outlet and plug the other end into the DC connector on the side panel of the Network Switch. The Power LED on the top of the Switch should now be lit.
- Once the Switch is powered on, it will be automatically initialized, and all Link/Act LEDs will flash momentarily, indicating that the system has been reset.

## Troubleshooting

### **Power LED does not light up:**

- Check the connection of the power adapter into the Network Switch and electrical outlet.
- Plug the power adapter into a different electrical outlet.

### **Link/Act LED indicator does not light up when connected:**

- Check the Ethernet cable connection at both ends, to make sure it is properly plugged in.
- If running a patch cable from the Network Switch to the network device, try to switch the ends of the cables.
- If using structured wiring which goes through a series of panels, try to connect a device directly to the Network Switch with a single patch cable.
- Make sure the network device is powered on and the network interface is enabled on it (check documentation for the network device).
- Connect the Ethernet cable to a different port on the Network Switch.
- If another port is available on the network device, try to move the cable to a different port.
- Replace the Ethernet cable with a different cable.

## **Cannot share Internet connection on multiple computers after connecting Network Switch to cable/DSL modem:**

- Unlike a network/broadband router, a network switch is not designed to connect two separate networks together (i.e. Internet (WAN) and home network (LAN)), but rather to create/expand a network. Since many Internet Service Providers (ISP) only provide a single connection (IP address), a network switch would allow only one computer to access the Internet. A network router is first required to be able to share a single Internet connection with multiple computers on your local home network. A network switch can then be used to expand the number of ports available on your local network, if necessary.

# Specifications

<b>Number of Ports</b>	5
<b>Compatible Networks</b>	10/100/1000 Mbps
<b>Industry Standards</b>	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-TX, IEEE 802.1p QoS, IEEE 802.3az Draft 3.0 Energy-Efficient Ethernet
<b>Connectors</b>	5 x RJ-45 Female
<b>Maximum Data Transfer Rate</b>	2 Gbps (Full-Duplex)
<b>Switching Architecture</b>	Store-and-Forward
<b>Buffer Size</b>	128 KB
<b>Full Duplex</b>	Yes
<b>Auto MDIX</b>	Yes
<b>Flow Control</b>	IEEE 802.3x
<b>Power Consumption</b>	2.93W Max
<b>Power Adapter</b>	9V / 0.6A
<b>Enclosure Material</b>	Plastic
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>Humidity</b>	10~90% RH (Non-Condensing)
<b>Dimensions</b>	174 x 120 x 30 mm



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## Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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