

Fast Ethernet Switch

Multiport 10/100 Desktop Ethernet Switch

DS5107

DS8107

Instruction Manual



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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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Introduction

Thank you for purchasing a StarTech.com Multi-port 10/100 Desktop Ethernet Switch. Providing 10/100Mbps auto-negotiation, all ports support auto MDI/MDIX functions, eliminating the need for crossover cables or uplink ports. Featuring plug and play functionality, the hub offers a practical and cost-effective way to upgrade existing networks to 100Mbps standard or bridge 10BaseT and 100BaseTX networks.

Features

- All RJ-45 ports support 10BaseT/100BaseTX and Full-Duplex/Half-Duplex Auto-negotiation function
- Auto MDIX (crossover) function provides automatic crossover when cascading switches or hubs - crossover cables or special uplink ports are no longer required
- Complies with IEEE 802.3 10BaseT Ethernet and 802.3u 100BaseTX Fast Ethernet standards
- IEEE 802.3x compliant flow control for full duplex and backpressure for half-duplex

System Requirements

This Fast Ethernet switch can be connected to PC computers with Ethernet networking cards, or other compatible switches, hubs, or servers.

Note: For each device you want to attach to the switch, you will need a Category 5 Ethernet UTP patch cable. StarTech.com offers a wide range of these cables in various lengths and colors to suit your network needs. StarTech.com also carries a wide range of Ethernet cards for both PC and notebook computers. For more information on available cables and accessories, please see **Accessory Products from StarTech.com** on **page 5**.

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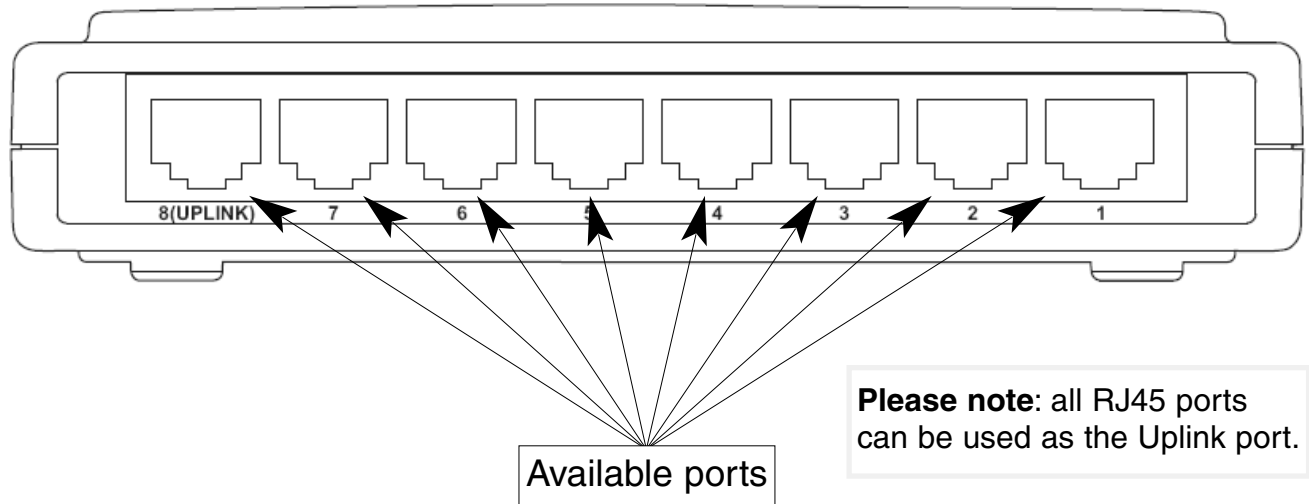
This package should contain:

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

Installation and usage

This section will guide you through the installation of your Fast Ethernet switch. Please read through the instructions carefully and complete each step in the order listed.

Rear Panel



Please note that the following instructions describe how to mount your new Ethernet Switch on a wall. If you do not wish to perform this step, please skip to **step 5**.

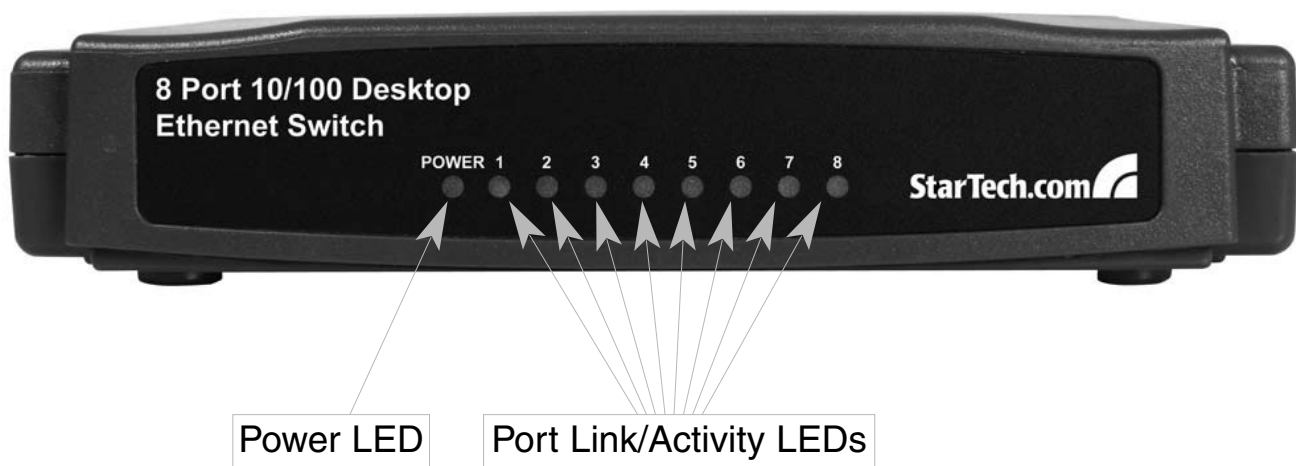
1. Place the Switch on a flat table or, if you wish to mount the Switch, the StarTech.com Fast Ethernet switch has two wallmount sockets that allow it to be hung from most walls. To mount the switch, you will need a drill, a screwdriver, two #6 wood screws and their corresponding wall plugs.
2. Carefully measure the distance between the centers of the two screw-holes on the back of the switch. Mark the location of the screw-holes on your wall, making sure your marks are straight and even.
3. Drill the holes in the wall and insert the plastic wall plugs.
4. Insert the screws into the wall plugs so that there is a gap of about 2 mm (about 1/10 of an inch) between the head of the screw and the wall.
5. Place the Fast Ethernet switch so that the wide end of the mounting sockets are

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over the screwheads. Slide the case downward so that the screwheads slide into the narrow slots.

6. Connect one end of your network cable to an open port on the rear panel of the switch.
7. Plug the other end of the cable into the RJ-45 port on your network device.
8. Repeat steps 5 and 6 for any other devices you want to connect.
9. Plug one end of the the power adapter into an open outlet and plug the other end into the DC connector on the side panel of the device. The **Power LED** on the front of the switch should now be lit.
10. 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.

Front Panel



The LED indicators are used for monitoring and troubleshooting of the Switch:

Power LED: This indicator will light up when the Switch powers up. If the LED is not lit, please check the power adapter and connection.

LINK/ACT LEDs: These LEDs indicate Link/Active status. One LED indicator will light green when a device is connected to the corresponding port. It flashes when data is being transmitted or received on the connection.

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Specifications

General Specifications

Standards	IEEE802.3 10Base-T, IEEE802.3u, 100Base-TX
Topology	Star
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (Half Duplex), 20Mbps (Full Duplex); Fast Ethernet: 100Mbps (Half Duplex), 200Mbps (Full Duplex)
Network Media (cable)	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ù STP (maximum 100m) 100BASE-Tx: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ù STP (maximum 100m)
Number of Ports	DS5107: 5 x 10/100Mbps Auto-Negotiation ports DS8107: 8 x 10/100Mbps Auto-Negotiation ports
LED indicators	Power, Link/Act
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically update
Frame Filter Rate	10Base-T: 14880pps/Port; 100Base-Tx: 148800pps/Port
Frame Forward Rate	10Base-T: 14880pps/Port; Rate 100Base-Tx: 148800pps/Port
Regulatory certifications	FCC, ROHS, CE

Environmental and Physical Specifications

Dimensions (W x D x H)	5.5" x 3.3" x 1.2" (140 x 85 x 30mm)
Power Supply Output	DS5107: AC12V~ 0.35A DS8107: AC9V~ 0.8A
Operating Temperature	0 ~40 (32 ~104)
Storage Temperature	-40~70 (-40 ~158)
Operating Humidity	10%~90% non-condensing
Storage humidity	5%~95% non-condensing

Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit www.startech.com for cables or other accessories that will help you get the best performance out of your new product.

ET90110SC

10/100 Mbps RJ45 to Multimode SC Fiber Media Converter

ET90110ST

10/100 Mbps RJ45 to Multimode ST Fiber Media Converter

M45PATCH10BL

10 ft Blue Molded Category 5e (350 MHz) UTP Patch Cable

M45PATCH15BL

15 ft Blue Molded Category 5e (350 MHz) UTP Patch Cable

M45PATCH100B

100 ft Blue Molded Category 5e (350 MHz) UTP Patch Cable

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit **www.startech.com/support** and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a one 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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