

## MERCUSYS MS105

# Mercusys MS105 5-Port Desktop Switch User Manual

Model: MS105

### 1. PRODUCT OVERVIEW

The Mercusys MS105 is a 5-port 10/100Mbps desktop switch designed to expand your wired network. It features auto-negotiation RJ-45 ports compatible with MDI/MDIX, allowing for easy and flexible network expansion without complex configuration. Its compact design enables versatile placement in various environments.

# Easy Wired Network Expansion

5-Port 10/100Mbps Desktop Switch

MS105



Image: The Mercusys MS105 switch, demonstrating its small form factor and the five 10/100Mbps Ethernet ports.

# Sleek,Ultra-Compact Design

MS105 can be placed anywhere in your home without taking up too much space



SIZE : 80×48mm



SIZE : 86×54mm

Image: Size comparison of the MS105 switch (80mm x 48mm) with a standard bank card (86mm x 54mm), highlighting its ultra-compact design.

## 2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Mercusys MS105 10/100Mbps 5-Port Desktop Switch
- Power Adapter
- Quick Installation Guide



Image: The Mercusys MS105 retail box and its contents: the MS105 switch, power adapter, and Quick Installation Guide.

### 3. SETUP INSTRUCTIONS

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The MS105 switch is designed for plug-and-play operation, requiring no software configuration.

1. **Power Connection:** Connect the provided power adapter to the switch's power port and then plug the adapter into a standard electrical outlet. The Power LED on the switch should illuminate.
2. **Network Connection:** Connect your network devices (e.g., computers, printers, IP cameras, smart TVs, game consoles) to the RJ-45 ports on the MS105 switch using Ethernet cables.
3. **Router/Modem Connection:** Connect one of the switch's RJ-45 ports to your router or modem using an Ethernet cable to provide internet access to the connected devices.

The switch will automatically detect the speed and duplex mode of the connected devices. The Ethernet LEDs for active ports will light up, indicating a successful connection.

# Ease of Use

Just connect the switch to your TV or computer via an Ethernet cable to immediately expand your wired network



Image: Illustrates the ease of use by showing an Ethernet cable being connected to the MS105 switch.



## Expand Ethernet Network

With five 10/100Mbps Ethernet ports, you can quickly expand your wired network. The MS105 is flexible and is fully compatible with computers, printers, IP cameras, smart TVs, game consoles, and more.



computers



printers



IP cameras



smart TVs



game consoles

Image: The MS105 switch integrated into a desktop computer setup, demonstrating its role in expanding an Ethernet network for various devices.

## 4. OPERATING INSTRUCTIONS

The MS105 is an unmanaged switch, meaning it operates automatically without requiring user configuration. Once connected, it facilitates data transfer between all connected devices.

### LED Indicators:

- **Power LED:**

- *On:* The switch is powered on.
- *Off:* The switch is powered off.

- **Ethernet LEDs (1, 2, 3, 4, 5):**

- *On:* A device is connected to the corresponding port.
- *Flashing:* Data is being transmitted or received through the corresponding port.
- *Off:* No device is connected or the connected device is not active.

## 5. SPECIFICATIONS

Feature	Detail
Model	MS105
Ports	5 x 10/100Mbps Auto-Negotiation RJ-45 ports (Auto MDI/MDIX)
Standards & Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3x CSMA/CD
Data Transfer Rate	10/100Mbps at Half Duplex; 20/200Mbps at Full Duplex
External Power Supply	Output: 5.0VDC/0.6A
Dimensions (L x W x H)	3.23" x 1.97" x 0.83" (80mm x 48mm x 21mm)
Item Weight	43 Grams (1.52 ounces)
Case Material	Plastic
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing
Certifications	CE, RoHS
Compatible Devices	Desktop, Laptop, Notebook, Printer, IP Cameras, Smart TVs, Game Consoles

## 6. TROUBLESHOOTING

If you encounter issues with your MS105 switch, consider the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the switch and a working electrical outlet. Check if the Power LED is illuminated.
- **No Link/Connection:**
  - Verify that Ethernet cables are properly connected to both the switch and the network device.
  - Ensure the connected device is powered on and functioning correctly.
  - Try using a different Ethernet cable or port on the switch.
  - Check if the corresponding Ethernet LED on the switch is lit.
- **Slow Network Speed:**
  - Ensure all cables are Cat5e or higher and are not damaged.
  - Confirm that your connected devices are capable of 100Mbps speeds.
  - Restart the switch and connected devices.

## 7. MAINTENANCE

To ensure optimal performance and longevity of your MS105 switch:

- **Cleaning:** Gently wipe the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Placement:** Place the switch in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure it is within the specified operating temperature and humidity ranges.
- **Power Off:** If the switch will not be used for an extended period, it is recommended to disconnect the power adapter.

## 8. WARRANTY AND SUPPORT

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The Mercusys MS105 switch comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase (invoice or tax coupon) for warranty claims.

For technical support, firmware updates, and additional product information, please visit the official Mercusys website or contact Mercusys customer support.

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