

## MERCUSYS MS108GS

# Mercusys MS108GS 8-Port Gigabit Ethernet Switch User Manual

Model: MS108GS

## INTRODUCTION

This manual provides instructions for the installation, operation, and troubleshooting of your Mercusys MS108GS 8-Port Gigabit Ethernet Switch. This device is designed to expand your network capacity, offering high-speed wired connections for small businesses and home offices.

## PRODUCT OVERVIEW

The Mercusys MS108GS is an unmanaged 8-port Gigabit Ethernet switch featuring a durable metal casing. It provides 8 auto-negotiating 10/100/1000Mbps RJ45 ports with Auto-MDI/MDIX support.

## Front Panel



Image: Front view of the Mercusys MS108GS switch, showing 8 RJ45 ports labeled 1 through 8, a "Link/Act" LED indicator, a power input, and a "Power" LED indicator.

- **RJ45 Ports (1-8):** Connect network devices such as computers, printers, or other switches using Ethernet cables. These ports support 10/100/1000Mbps speeds and automatically detect cable type (Auto-MDI/MDIX).

- **Link/Act LED:** Indicates the connection status and activity for each corresponding port. A solid light indicates a valid link, and a blinking light indicates data transmission.
- **Power LED:** Illuminates when the switch is powered on.

## Rear Panel

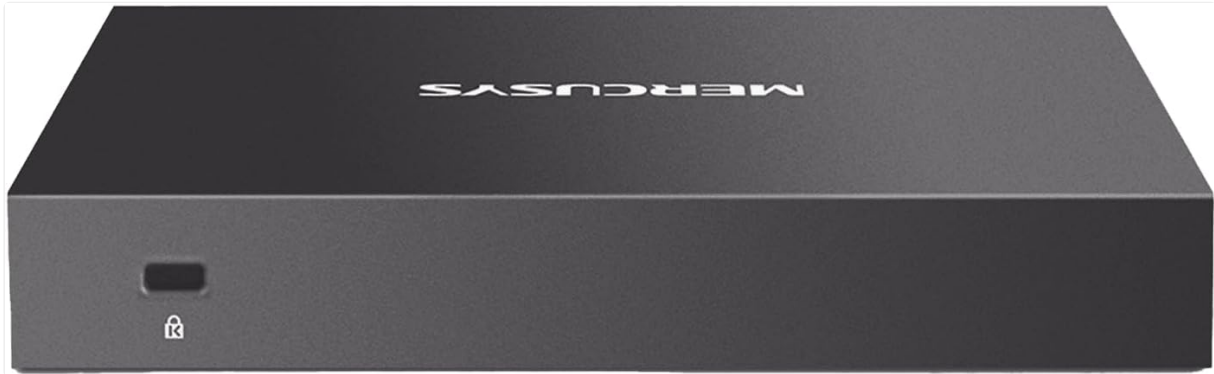


Image: Rear view of the Mercusys MS108GS switch, showing a Kensington lock slot on the left side.

- **Kensington Security Slot:** Used to secure the switch with a Kensington lock (not included) to prevent theft.

## SETUP

The MS108GS switch is a plug-and-play device, requiring no software configuration. Follow these steps to set up your switch:

1. **Placement:** Place the switch on a flat, stable surface or mount it to a wall using the integrated mounting holes. Ensure adequate ventilation around the device.
2. **Power Connection:** Connect the provided power adapter to the switch's power input port and then plug the adapter into a standard electrical outlet. The Power LED on the front panel should illuminate.
3. **Network Connections:** Connect your network devices (e.g., computers, network printers, routers, network-attached storage) to the RJ45 ports (1-8) on the switch using Ethernet cables.
4. **Verify Connection:** Once connected, the corresponding Link/Act LED for each active port should light up, indicating a successful connection. If the LED is blinking, it indicates data activity.

The switch will automatically detect the speed and duplex mode of connected devices.

## OPERATING

The Mercusys MS108GS is an unmanaged switch, meaning it operates automatically without requiring user configuration. Once connected, it facilitates data transfer between all connected devices at Gigabit speeds.

- **Data Transfer:** The switch intelligently forwards data packets to their intended destination, optimizing network performance.
- **Green Ethernet Technology:** The switch incorporates energy-saving features that automatically adjust power consumption based on cable length and link status, reducing operational costs.
- **Plug and Play:** No software or driver installation is required. Simply connect your devices and power on the switch.

## MAINTENANCE

To ensure optimal performance and longevity of your Mercusys MS108GS switch, consider the following maintenance guidelines:

- **Environment:** Operate the switch within its specified temperature range (0°C to 40°C) and humidity levels. Avoid direct sunlight, excessive heat, and moisture.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation holes on the switch are not blocked to allow for proper heat dissipation. The metal casing is designed for efficient heat management.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bending to prevent signal degradation.
- **Power Supply:** Use only the power adapter provided with the switch.

## TROUBLESHOOTING

If you encounter issues with your Mercusys MS108GS switch, refer to the following common problems and solutions:

- **Power LED is Off:**
  - Ensure the power adapter is securely connected to the switch and a working electrical outlet.
  - Verify the power outlet is functional by plugging in another device.
- **Link/Act LED is Off for a Connected Device:**
  - Check that the Ethernet cable is securely plugged into both the switch port and the network device.
  - Ensure the connected device is powered on and its network adapter is functioning correctly.
  - Try a different Ethernet cable.
  - Try connecting the device to a different port on the switch.
- **Slow Network Speed:**
  - Ensure all connected devices and cables support Gigabit Ethernet (Cat5e or higher cables are recommended for Gigabit speeds).
  - Check for network congestion.
  - Restart the switch and connected devices.
- **No Network Access:**
  - Verify that your router or modem is functioning correctly and providing internet access.
  - Ensure all cables are properly connected between the switch, router, and devices.
  - Restart your entire network (modem, router, then switch, then devices).

## SPECIFICATIONS

Feature	Description
Model	MS108GS
Ports	8x 10/100/1000Mbps Auto-Negotiation RJ45 Ports (Auto-MDI/MDIX)

Data Transfer Rate	1 Gbps (Gigabits Per Second)
Dimensions (L x W x H)	6.22" x 3.9" x 0.99" (158mm x 99mm x 25mm)
Weight	0.25 Kilograms (8.8 ounces)
Case Material	Metal
Power Supply	External Power Adapter (5VDC / 0.6A)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% non-condensing
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
MAC Address Table	4K
Jumbo Frame	9KB

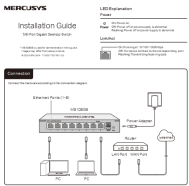
## WARRANTY AND SUPPORT

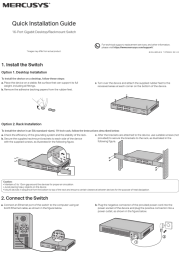

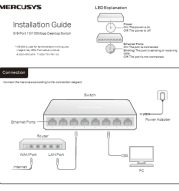

The Mercusys MS108GS 8-Port Gigabit Ethernet Switch is covered by Mercusys' standard limited warranty. For detailed warranty information, technical support, and product updates, please visit the official Mercusys website.

**Mercusys Official Website:** [www.mercusys.com](http://www.mercusys.com)

You can find FAQs, firmware downloads, and contact information for customer support on their website.

## Related Documents - MS108GS

	<p><a href="#">MERCUSYS MS108GS 5/8-Port Gigabit Desktop Switch Installation Guide</a></p> <p>Comprehensive installation guide for the MERCUSYS MS108GS 5/8-Port Gigabit Desktop Switch, covering setup, specifications, LED explanations, FAQs, and safety information.</p>
<p><b>MERCUSYS</b></p> <p>Installation Guide</p> <p>Unmanaged Rackmountable Switches</p>	<p><a href="#">MERCUSYS Unmanaged Rackmountable Switches Installation Guide</a></p> <p>Comprehensive installation guide for MERCUSYS Unmanaged Rackmountable Switches, covering product overview, appearance, installation procedures, connection methods, troubleshooting, and specifications. Learn how to set up and connect your network switches.</p>

	<p><a href="#">MERCUSYS MS116GS Quick Installation Guide</a></p> <p>This guide provides instructions for installing and connecting the MERCUSYS MS116GS 16-Port Gigabit Desktop/Rackmount Switch. It covers desktop and rack installation methods, button and LED explanations, detailed specifications, and essential safety information.</p>
	<p><a href="#">MERCUSYS Powerline Adapter Quick Installation Guide</a></p> <p>A quick installation guide for MERCUSYS Powerline Adapters, detailing setup, network security, and troubleshooting steps for extending your home network.</p>
	<p><a href="#">MERCUSYS MS108 5/8-Port 10/100Mbps Desktop Switch Installation Guide</a></p> <p>Official installation guide for the MERCUSYS MS108 5/8-Port 10/100Mbps Desktop Switch. Covers connection setup, LED explanations, technical specifications, frequently asked questions, safety information, and compliance details.</p>
	<p><a href="#">MERCUSYS Unmanaged Rackmountable Switches Installation Guide</a></p> <p>Comprehensive installation guide for MERCUSYS Unmanaged Rackmountable Switches, covering product overview, appearance, safety precautions, installation procedures, connection methods, troubleshooting, and specifications.</p>