MERCUSYS®

Quick Installation Guide

16-Port Gigabit Desktop/Rackmount Switch

*Images may differ from actual product.

For technical support, replacement services, and other information, please visit **https://www.mercusys.com/support/**.
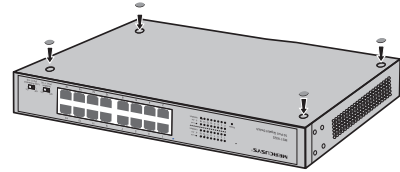
1. Install the Switch

Option 1. Desktop Installation

To install the device on a desktop, follow these steps:

a. Place the device on a stable, flat surface that can support its full weight, including all fittings.

b. Remove the adhesive backing papers from the rubber feet.
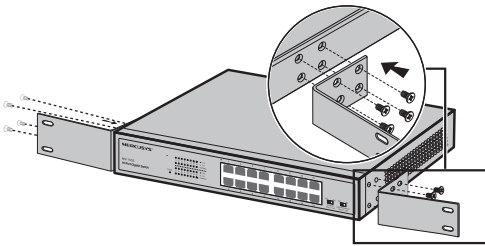
c. Turn over the device and attach the supplied rubber feet to the recessed areas at each corner on the bottom of the device.
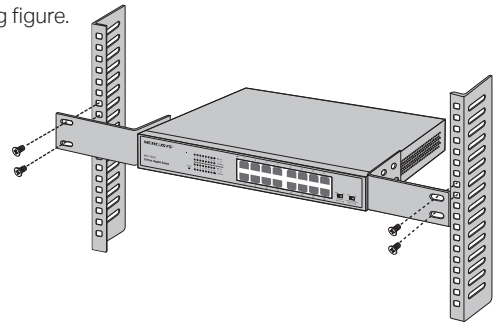

Option 2. Rack Installation

To install the device in an EIA standard-sized, 19-inch rack, follow the instructions described below:

a. Check the efficiency of the grounding system and the stability of the rack.

b. Secure the supplied rackmount brackets to each side of the device with the supplied screws, as illustrated in the following figure.

c. After the brackets are attached to the device, use suitable screws (not provided) to secure the brackets to the rack, as illustrated in the following figure.
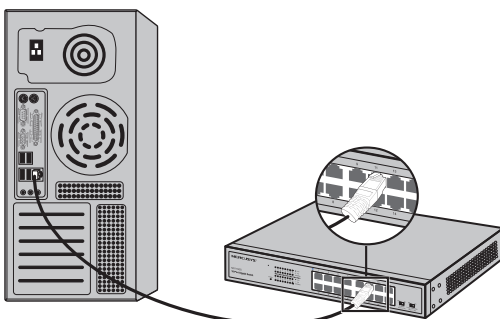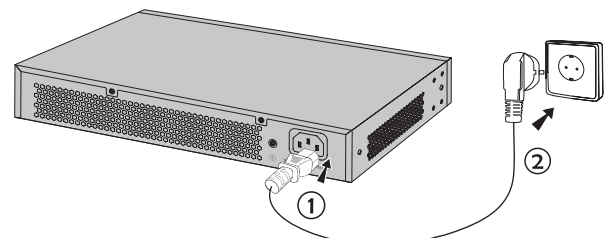

Caution:
- Maintain a 5 to 10cm gap around the devices for proper air circulation.
- Avoid placing heavy objects on the device.
- Mount devices in sequence from the bottom to top of the rack and ensure a certain clearance between devices for the purpose of heat dissipation.
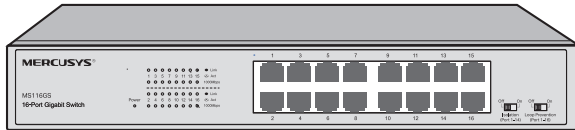
2. Connect the Switch

a. Connect an Ethernet port of the switch to the computer using an RJ45 Ethernet cable, as shown in the figure below.

b. Plug the negative connector of the provided power cord into the power socket of the device and plug the positive connector into a power outlet, as shown in the figure below.

Button Explanation

Isolation

Off (Default)**:** Ports can transmit data with each other.
On: Specific ports cannot transmit data with other downlink ports. They can transmit data only with the uplink ports.
Note: When the isolation button is on, the isolated ports act as downlink ports with the rest as uplink ports.

Loop Prevention

Off (Default)**:** The switch will not try to monitor or address loop-related issues.
On: The switch will monitor and address loop-related issues within the network structure to prevent disruptions caused by redundant pathing.

Specifications

General Specifications

Standard	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p
Interface	16×10/100/1000Mbps RJ45 Ports, Auto Negotiation/Auto MDI/MDIX
Network Media (Cable)	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000BASE-T: UTP category 5, 5e, or above cable (maximum 100m)
Switching Capacity	32 Gbps
MAC Address Table	8K
Forwarding Method	Store-and-Forward
Power Supply	100-240VAC, 50/60Hz

Environmental and Physical Specifications

Certification	CE, RoHS
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
Storage Humidity	5% to 90% non-condensing

LED Explanation

Power

On: The switch is powered on.
Off: The switch is powered off or power supply is abnormal.
Flashing: Power supply is abnormal or Loop Prevention function is enabled.

1000Mbps

On: Running at 1000 Mbps.
Off: Running at 10/100 Mbps or no device is linked to the corresponding port.

Link/Act Status

On: A device is linked to the corresponding port and running properly.
Off: No device is linked to the corresponding port.
Flashing: Transmitting or receiving data.

Frequently Asked Questions (FAQ)

Q1. Why is the Power LED not lit?

The Power LED should be lit when the power system is working normally. If the Power LED is not lit, please check the following:

A1: Ensure the AC power cord/power adapter is securely connected to both the switch and the power source.

A2: Verify that the power supply's voltage meets the requirements of the switch's input voltage.

A3: Confirm that the power source is on.

Q2. Why is the Link/Act LED not lit when a device is connected to the corresponding port?

It is recommended that you check the following:

A1: Ensure the cable connectors are securely plugged into both the switch and the connected device.

A2: Verify that the connected device is powered on and functioning properly.

A3: Confirm that the cable length does not exceed 100 meters (328 feet).

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Place the device with its bottom surface downward.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- Plug the product into the wall outlets with earthing connection through the power supply cord.