

MERCUSYS®
MS106LP 6-Port 100Mbps
Desktop Switch



MERCUSYS MS106LP 6-Port 100Mbps Desktop Switch Installation Guide

[Home](#) » [MERCUSYS](#) » MERCUSYS MS106LP 6-Port 100Mbps Desktop Switch Installation Guide 

Contents

- 1 [MERCUSYS MS106LP 6-Port 100Mbps Desktop Switch](#)
- 2 [LED Explanation](#)
- 3 [Switch Explanation](#)
- 4 [Connection](#)
- 5 [Specifications](#)
- 6 [Environmental and Physical Specifications](#)
- 7 [Frequently Asked Questions \(FAQ\)](#)
- 8 [Documents / Resources](#)
 - 8.1 [References](#)

MERCUSYS® MERCUSYS MS106LP 6-Port 100Mbps Desktop Switch



LED Explanation

- **Power:**
 - On: The power is on
 - Off: The power is off

- **Link/Act Status:**

- On: Link present but no activity
- Off: No link
- Flashing: Transmitting or receiving data

- **PoE Status:**

- On: The port is providing PoE power
- Off: The port is not providing PoE power

For technical support, replacement services, user guides, and other information, please visit <https://www.mercusys.com/support/>.

Switch Explanation

Recovery:

- Off: The PoE Auto Recovery function is disabled.
- On: The switch will constantly detect the working status of a PoE powered device (PD). When the switch finds that the PD works abnormally, the switch will reboot it.

Isolation:

- Off: Ports can transmit data to each other.
- On: Ports 1-4 cannot transmit data with each other. They can transmit data only with the uplink ports (ports 5-6).

Extend:

- Off: Ports run at 100/10 Mbps and support PoE power supply up to 100m away.
- On: Ports run at 10 Mbps and support PoE power supply up to 250m away.

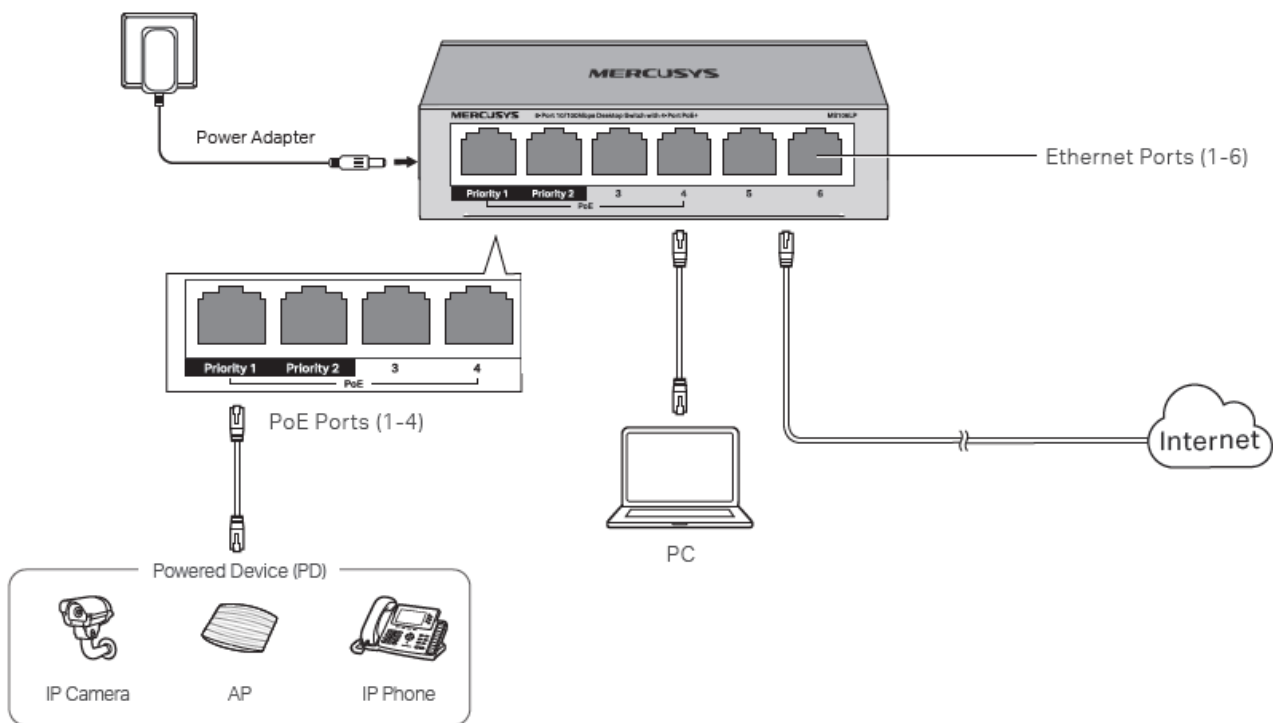
Connection

- **Power Adapter**
- **Ethernet Ports (1-6)**
- **PoE Ports (1-4)**
- **Powered Device (PD) examples:**
 - IP Camera
 - AP (Access Point)
 - IP Phone
 - Internet
 - PC

Notes:

1. PoE ports can also connect to non-PoE devices, but only transmit data.

2. Non-PoE ports (ports 5-6) are recommended to connect to uplink devices like routers.
3. Ports 1-2 have higher priority than other ports in transmitting data if network congestion occurs. It is recommended to connect key network devices (network cameras, APs, etc.) to ports 1-2.



Specifications

General Specifications

- **Standard**
IEEE 802.3i, IEEE 802.3u, IEEE 802.3x|
- **Protocol**
CSMA/CD. 802.3af/at PD supported
- **Interface**
6 10/100 Mbps RJ45 Ports Auto-Negotiation/Auto MDI/MDIX|
- **PoE Ports: Port 1-4**
10BASE-T:2-pair UTP/STP (s100m) of Cat. 3 or above
- **Network Media (Cable)**
100BASE-TX:2-pair UTP/STP (s 100m) of Cat. 5 or above
1000BASE-T:4-pair UTP/STP (s 100m) of Cat. 5e or above
- **Switching Capacity**
1.2 Gbps
- **MAC Address Table**
2K
- **Forwarding Method**
Store-and-Forward
- **MAC Address Learning**
Automatically learning, aging

- **Power Supply**

External Power Adapter

Input: 100-240 VAC, 50/60 Hz

- **Output:**

53.5 VDC/0.81 A

- **Pot Budget**

40 W (up to 30 W for each PoE port) |

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

Frequently Asked Questions (FAQ)

Q 1. 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 as follows: * A1: Make sure the AC power cord/power adapter is connected to the switch with the power source properly. * A2: Make sure the voltage of the power supply meets the requirements of the input voltage of the switch. * A3: Make sure 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 items * A1: Make sure that the cable connectors are firmly plugged into the switch and the device. * A2: Make sure the connected device is turned on and working well. * A3: The cable must be less than 100 meters long (328 feet). If Extend Mode is enabled, it should be less than 250 meters (820 feet).

Q3. Why are PoE ports not supplying power for PoE devices?

When the total power consumption of connected PoE devices exceeds the maximum, the PoE port with

a smaller port number has a higher priority. The system will cut off power to the ports with larger port numbers to ensure supplying to other ports. For example, if ports 1,2, and 4 are consuming 10 W respectively, and an additional PoE device with 15 W is inserted into port 3, the system will cut off the power to port 4 to compensate for the overload.

Q4. What should I notice before using the PoE Auto Recovery feature?

*A1: Before upgrading a connected PoE-powered device (PD), disable PoE Auto Recovery to avoid the PD's damage.*A2: When a PD does not send data packets to the switch for a long period in certain scenarios (e.g., an IPC in sleep mode), disable PoE Auto Recovery to avoid the PD repeatedly rebooting.

EU declaration of conformity

Mercusys hereby declares that the device is in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU, and (EU)2015/863.

The original EU declaration of conformity may be found at

<https://www.mercusys.com/en/ce/>

UK declaration of conformity

Mercusys hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.

The original UK declaration of conformity may be found at

<https://www.mercusys.com/support/ukca/>

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p>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.

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li>Place the device with its bottom surface downward.

- Do not use a damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.

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li>The adapter shall be installed near the equipment and shall be easily accessible.

CE Mark Warning

- This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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li>The POE output cannot be used to charge lithium batteries or devices with lithium batteries.

BSMI Notice

Unit	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr ⁶⁺)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○

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- **Note 1** “Exceeding 0.1wt%t wt%” and “exceeding 0.01 wt% %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of the reference condition.
- **Note 2** “○” indicates that the percentage content of the restricted substance does not exceed the percentage of the reference value of presence.
- **Note 3** The “ ” indicates that the restricted substance corresponds to the exemption.

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Explanation of the symbols on the product label

Note: The product label can be found at the bottom of the product (and its I.T.E power supply).



For indoor use only



Direct current

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p> Alternating current



RECYCLING

- This product bears the selective sorting symbol for Waste Electrical and Electronic Equipment (WEEE). This means that this product must be handled under European Directive 2012/19/EU to be recycled or dismantled to minimize its impact on the environment.

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li>The user has the choice to give his product to a competent recycling organization or the retailer when he buys new electrical or electronic equipment.



Energy efficiency marking (level VI)



Polarity of d.c. power connector

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p> Class II equipment



Caution



Operator's manual

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p>**Wall Mounting Specifications**

Model	Screw Standard of A NSI B1.1	Minimum Length of Screw	Screw-Head-to-Wall Min imum Distance	Wall-Mounting-Holes Di stance
MS105GP	4#, (5#), 6#, 8#	7mm	1.5mm	39mm
MS106LP	4#, (5#), 6#, 8#	7mm	1.5mm	39mm
MS108GP	4#, (5#), 6#	7mm	1.5mm	105mm
MS110P	4#, (5#), 6#	7mm	1.5mm	105mm

Documents / Resources

	<p>MERCUSYS MS106LP 6-Port 100Mbps Desktop Switch [pdf] Installation Guide MS106LP, MS106LP 6-Port 100Mbps Desktop Switch, 6-Port 100Mbps Desktop Switch, 100Mbps Desktop Switch, Desktop Switch</p>
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References

-  [Regulatory Compliance - Welcome to MERCUSYS](#)
- i>  [UKCA - Welcome to MERCUSYS](#)
- [User Manual](#)

Manuals+. [Privacy Policy](#)

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