machpower ®

INSTALLATION
GUIDE

Thanks

for choosing
Mach Power
products

Contents

Packing List

Please open the product packaging box with care and check the following items shipped with product:

POE Switch
One AC Power Cord
User's guide
Installation components and other accessories

If any of the above items are missing or damaged, please contact your customer service representative for assistance

POE Products Introduction

Thanks for purchasing POE products
We mainly provide three types of POE products: POE switches.
Please read this user's guide carefully before operating.

1.1 POE Products Introduction

1 POE Switches

Model Number	Total Ports	POE ports	POE Standards	Power/port	Total power
NW-SP4-001	4x10/100M PoE 1x10/100M	4	IEEE 802.3af/at	15.4W/30W	45/65W
SW-UF4L4P-014	4x10/100M PoE 4x10/100M	4	IEEE 802.3af/at	15.4W/30W	65W
NW-SP8-002	8x10/100M PoE	8	IEEE 802.3af/at	15.4W/30W	150W
SW-UG4L4P-001	4x10/100/1000M PoE 4x10/100/1000M	4	IEEE 802.3af/at	15.4W/30W	65W
SW-UG8P-008	8x10/100/1000M PoE	8	IEEE 802.3af/at	15.4W/30W	150W

1.2 Panel Layout

NW-SP4-001

4x10/100M PoE ports +1x10/100M ports, Total power:45W/65W

Led indicator	Description	Led	Led States	Function
Power	PWR	Red	ON	The switch is powered on.
			OFF	The switch is powered off.
POE power	POE	Red	ON	POE power supply works.
			OFF	No POE power supply.
			Blinking	The POE port is failed or PD connection is overloaded, please remove PDs and reconnect after checking.
Data	10/100M LINK/ACT	Green	ON	Port is connected successfully.
			OFF	Port is failed to connect or work abnormally.
			Blinking	The port is processing data transmitting .

SW-UF4L4P-014

4x10/100M PoE ports + 4x10/100M ports

LED Indicator is the same with NW-SP4-001 (above)

NW-SP8-002

8x10/100M PoE ports

LED Indicator is the same with NW-SP4-001 (above)

SW-UG4L4P-001

4x10/100/1000M PoE ports + 4x10/100/1000M ports

Led indicator	Description	Led	State	Function
Power	PWR	Green	ON	The switch is powered on.
			OFF	The switch is powered off.
System	SYS	Green	ON	The system is starting.
			Blinking	The system works normally.
POE power	POE	Red	ON	POE power supply works.
			OFF	No POE power supply.
			Blinking	The POE port is failed or PD connection is overloaded, please remove PDs and reconnect after checking.
Data	10/100M	Yellow	ON	Port is connected successfully.
			OFF	No 10/100M port connection.
	1000M	Green	ON	Port is connected successfully.
			OFF	No 1000M port connection.
	ACT	Green	Blinking	The port is processing data transmitting .

SW-UG8P-008

8x10/100/1000M PoE ports

LED Indicator is the same with SW-UG4L4P-001 (above)

Installation Instruction

Please open the product packaging box with care and check the following items shipped with product:

2.1 Operation Cautions

1. Don't stock the device in damp environment or near water, to avoid water or moisture penetrating into the inner device.

2. Don't put the device on a unstable box or desk, the device will get damaged from falling.

3. Please check and make sure the operation voltage is meet the voltage standard marked on the device surface before the next steps.

4. Please use a grounded three-hole power socket in the rack or desk mounting, to mitigate damage caused by electro-static discharge or lightning stoke.

5. Keep the device far from heat sources, strong power radio transmitters and radar transmitters.

6. Similar with other electrical products, the semiconductor chip in device will get damaged when open and shut off the power frequently. Please restart the device 3~5 seconds(or longer) after the power is shut off.

7. Please pull out the power plug before cleaning the device. Don't wipe the device with wet cloth or clean the device with liquid.

8. To guarantee a long operation life, the device can only be used in indoor and in ventilated & dry environment. And to get a good heat dissipation, please reserve a space over 10CM around the device.
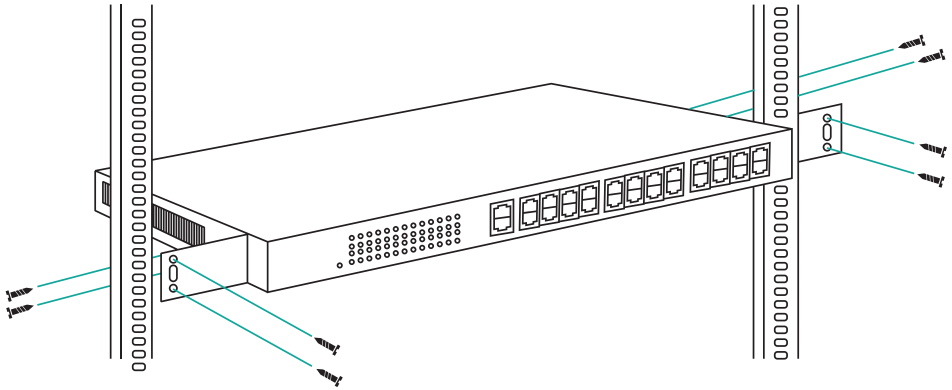
2.2 Desktop Mounting

1. Set the device(top- for bottom) over a large, stable and grounded desktop.

2. Attach the four adhesive feet on the four bottom corners (some switches don't have these adhesive feet, please move to next step).

3.Turn around the device and set it stably on the desktop.

Note: Switches with less than 5 ports suitable for desktop mounting
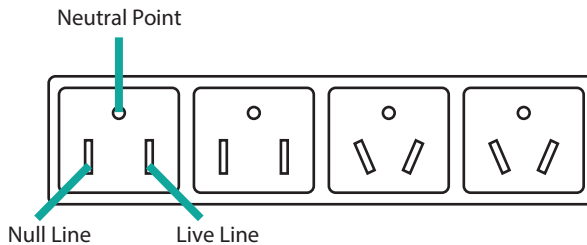
2.3 Rack Mounting

Note: Generally, switches with 8 ports or more ports can be mounted in a standard 19-inch equipment rack defined by Electronic Industries Association(EIA).

1. Please first attach the two L-shaped brackets to the device sides, using the screws provided in the bracket mounting kit.

2. Mount the device in the rack, using rack mounting screws(not provided).

2.2 Making power connection

POE switches and POE Injectors is designed for AC 90Ð264V/50Ð60Hz Power Supply. We advise to adopt a one-phase 3-wire power socket with neutral point joint or multifunctional computer power socket. Please make sure there are no problems on power supply, connection and grounding before you start operating the POE devices, or the devices will get damaged.

Neutral Point

Null Line   Live Line

Connecting Instruction：

1. Connect one end of power cord into the AC power socket of POE device rear panel, and then connect the other end to the external AC power supply socket.

2. Check the ″Power″ indicator on the POE device front panel, the LED will be on if successfully connected.

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