

RG-ES126S-LP / RG-ES126S-P

交换机快速安装指南

Switch Quick Installation Guide

锐捷以太网 PoE 供电交换机快速安装指南

Ruijie Ethernet PoE Switches Installation Quick Start

本指南适用于 RG-ES126S-LP 和 RG-ES126S-P, 文中图片以 RG-ES126S-LP 为例进行说明。

This quick start applies to RG-ES126S-LP and RG-ES126S-P. RG-ES126S-LP is used as an example here to illustrate the installation and connection of the switch.

设备安装

Install the switch

安装前准备

Installation tools

- 安装到桌面：防静电手环或防静电手套
Mounting on the desktop: ESD bracelet or gloves
- 安装到 19 英寸标准机架：螺丝刀、螺钉、防静电手环或防静电手套
Mounting to a standard 19-inch rack: screwdriver, screws, ESD bracelet or gloves
- 安装到墙面：记号笔、冲击钻、橡胶锤、梯子、螺丝刀、螺钉、膨胀螺管、防静电手环或防静电手套
Mounting to the wall: marker, hammer drill, rubber hammer, ladder, screwdriver, screws, expansion bolts, ESD bracelet or gloves

安装到桌面

Mounting on the desktop

将脚垫粘贴在机壳底面四角对应的凹槽中, 然后将交换机正面朝上放置于足够大且干净平稳的桌面上。

Paste the footpad stickers to the corresponding four recesses on the bottom of the switch. Then turn the switch upside down, and place it on a big enough, clean, stable and flat

desktop.



安装到 19 英寸标准机架

Mounting to a standard 19-inch rack

1. 检查机架的接地与平稳性。

Ensure that the rack is stable and level, and is properly grounded.

2. 用包装盒内的螺钉将两个 L 型支架分别固定到交换机的两侧。

Fix the 2 L-shaped brackets to both sides of the switch with the included screws.



3. 将交换机放置于机架内的适当位置，用螺钉（需自备）将 L 型支架固定到机架两侧的导槽上，确保交换机平稳地安装到机架上。

Mount the switch at a proper height on the rack and fix the L-shaped brackets to the rack with the screws (not included). Ensure that the switch is stable on the rack.



安装到墙面

Mounting to the wall

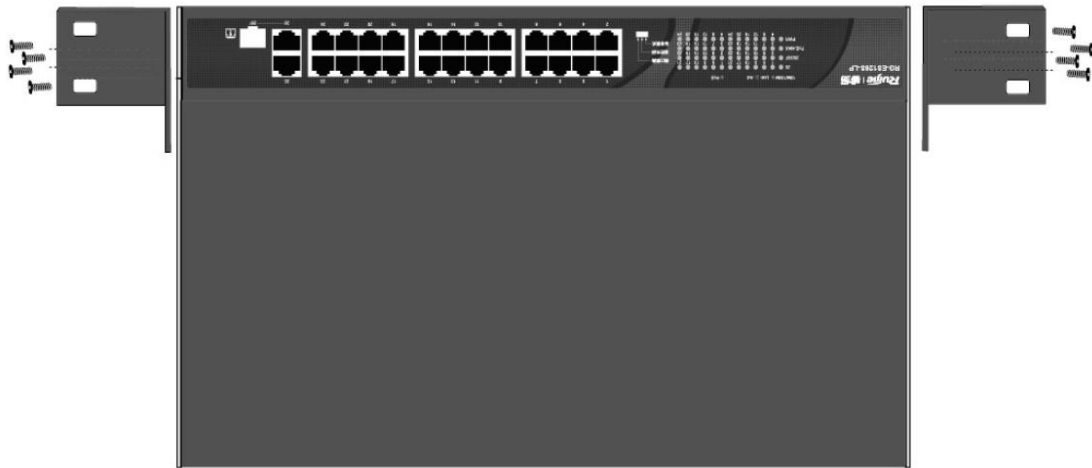


请勿将交换机的散热孔朝下安装，否则会有安全隐患。

DO NOT install the switch with its ventilation holes facing down, otherwise there will be potential safety hazards.

1. 用包装盒内的螺钉将两个 L 型支架分别固定到交换机的两侧。

Fix the 2 L-shaped brackets to both sides of the switch with the included screws.



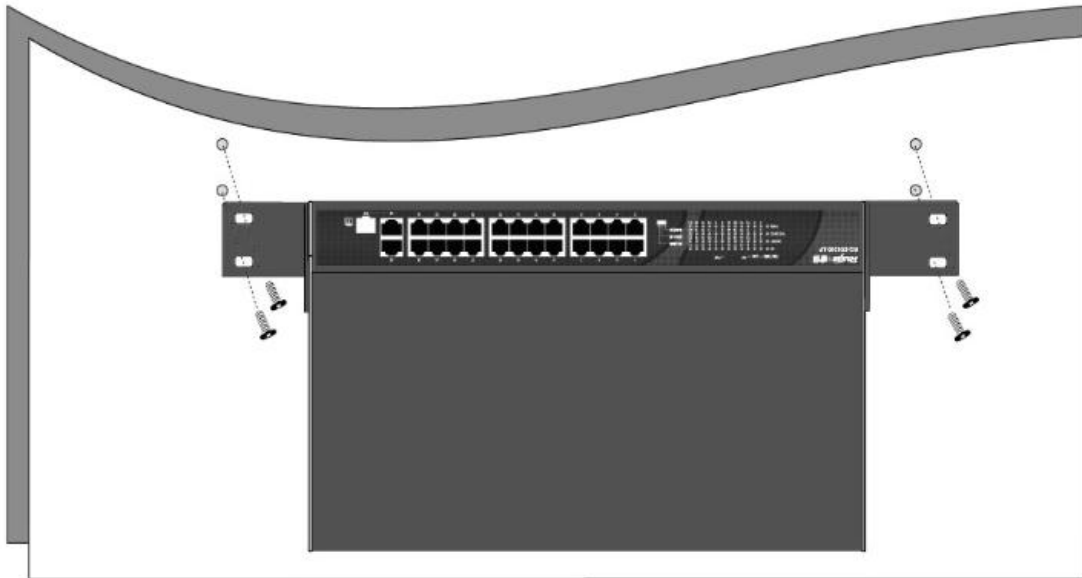
2. 将交换机 RJ45 端口朝上水平贴于选定的墙上，用记号笔标记好螺钉孔的位置，然后用冲击钻在标记位置钻孔，再将膨胀螺管（需自备，规格：M5*40.0mm）打入墙上的孔中。

Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the positions of the screw holes with a marker. Drill the holes in the marked positions with a hammer drill, and then hammer the expansion bolts (not-included, M5*40 mm) into the holes on the wall with a rubber hammer.

3. 将交换机 RJ45 端口朝上，然后用螺丝刀将已穿过交换机 L 型支架的螺钉（需自备，规格：PA 5*25.0mm-头径 10.0mm）拧入膨胀螺管中，确保将交换机稳固地安装到墙面。

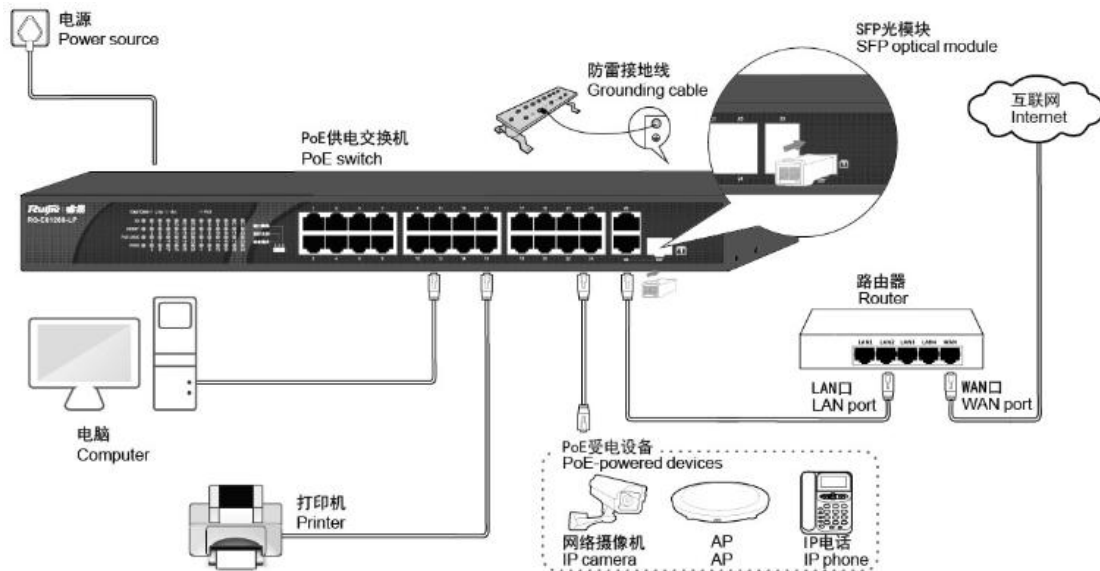
With the RJ45 ports facing upward, secure the screws (not-included, PA 5*25 mm, head diameter: 10 mm) that pass through the switch's L-brackets into the plastic

expansion bolts with a screwdriver, so as to ensure that the switch is installed to the wall firmly.



设备连接

Connect the switch



注意

- 交换机支持端口自动翻转 (Auto MDI/MDIX)，用网线连接交换机与对端以太网设备时，使用直连线或交叉线均可。
- 交换机 PoE 端口支持优先级机制，当受电设备的总功耗超过交换机整机最大 PoE 供电功率

时，交换机将按端口 1>2>...>24 的优先级顺序，切断优先级最低的端口的供电，直到受电设备的总功耗恢复到交换机整机最大 PoE 供电功率以内。

- 端口 26 与端口 26F 复用，且 26F 端口优先。即，当使用交换机的 26F 口时，26 口不能使用。

警告

此为 A 级产品，在生活环境中，该产品可能会造成无线电干扰，在这种情况下，可能需要用户对干扰采取切实可行的措施。



- The switch supports auto MDI/MDIX, so both a straight cable and a crossover cable can be used to connect the switch to Ethernet devices.
- PoE ports of the switch are assigned with power supply priorities, and the priorities decrease as the port number increases (1 > 2 >...> 24). When the total power consumption of the PoE-powered devices exceeds the maximum output of the switch, the switch starts cutting the power supply from the port with the lowest priority until the total consumption is less than the maximum output.
- Port 26 and port 26F compose a combo port, and port 26F owns a higher priority. So when the port 26F of the switch is used, the port 26 cannot be used.

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.

请根据下表检查设备连接是否正确或调节交换机的工作模式。

Please check whether the switch is connected properly or adjust the operation mode of the switch according to the following table.

指示灯/开关	说明
Link/Act 1~24、25、26/26F	长亮：相应端口已连接。 闪烁：相应端口正在传输数据。 熄灭：相应端口未连接或连接异常。
PoE 1~24	长亮：端口已连接受电设备，并供电正常。 熄灭：端口未连接受电设备，或没有供电。
PoE-MAX	长亮：PoE 总输出功率达到整机最大功率。 熄灭：PoE 总输出功率未达到整机最大功率。
PWR	长亮：交换机通电正常。 熄灭：交换机未通电或通电异常。
工作模式拨码开关	标准模式：默认模式。此模式下，交换机为普通非网管型交换机，所有端口之间可以相互通信。 流控关闭：此模式下，交换机关闭所有端口流控，以满足各种复杂环境的“网络克隆”需求。 端口隔离：此模式下，1~24 端口之间不能相互通信，但都能与 25、26 和 26F 口进行通信。可以隔离 DHCP 广播，减少广播风暴。

LED indicator/Toggle	Description
Link/Act 1 to 24, 25, 26/26F	Solid on: The corresponding port is connected to a device. Blinking: Data is being transmitted over the corresponding port. Off: The corresponding port is not connected or is not connected properly.
PoE 1 to 24	Solid on: The corresponding port is connected to a powered-device, and supplies power properly. Off: The corresponding port is not connected to any powered-device, or does not supply power to any powered-device.

PoE-MAX	<p>Solid on: The total output power of the switch reaches the maximum value.</p> <p>Off: The total output power of the switch does not reach the maximum value.</p>
PWR	<p>Solid on: The switch is powered on properly.</p> <p>Off: The switch is not powered on, or not powered on properly.</p>
Toggle for switching operating modes	<p>Standard Mode: In this mode, the switch functions as a common unmanaged PoE switch, and all ports of the switch can communicate with each other.</p> <p>Flow Control-OFF: In this mode, the switch disables the flow control function for all ports to meet the demand of computer network clone in various environments.</p> <p>Port Isolation: In this mode, ports 1 to 24 cannot communicate with each other, but can communicate with ports 25, 26 and 26F respectively, which helps isolate DHCP broadcast and reduce broadcast storm.</p>

规格参数

Specifications

产品型号		RG-ES126S-LP	RG-ES126S-P
端口	10/100/1000Mbps RJ45 端口数	2	
	10/100Mbps RJ45 端口数	24	
	1000Mbps SFP 端口数	1	与 26 端口复用, 且 SFP 端口优先
	工作模式	支持三种模式切换: 标准模式、流控关闭、端口隔离	
性能	背板带宽	8.8Gbps	
	交换模式	存储转发	

产品型号		RG-ES126S-LP	RG-ES126S-P
	MAC 地址表学习	自动学习、自动老化	
	MAC 地址表	16K	
PoE 供电	PoE 供电标准	IEEE 802.3af、IEEE 802.3at	
	PoE 供电线芯	4 芯供电 (1 2 为+, 3 6 为-)	
	PoE 供电端口	1~24	
	端口最大供电功率	30W	30W
	整机最大供电功率	230W	370W
外形尺寸 (长×宽×高)		440mm×208mm×44mm	440mm×240mm×44mm
输入电压		220V AC, 50Hz, 2.5A max	220V AC, 50Hz, 3A
防雷	RJ45 端口	共模: 6kV	
	电源	共模: 6kV; 差模: 6kV	
工作环境		工作温度: 0°C~45°C 工作湿度: (10~90) %RH, 无凝结	
存储环境		存储温度: -40°C~70°C 存储湿度: (5~90) %RH, 无凝结	
数据传输速率		以太网: 10Mbps (半双工) /20Mbps (全双工) 快速以太网: 100Mbps (半双工) /200Mbps (全双工) 千兆以太网: 2000Mbps (全双工)	
网络介质		以太网: 3 类或以上 UTP/STP 快速以太网: 5 类或以上 UTP/STP 千兆以太网: 超 5 类或 6 类 UTP/STP	
网络标准		IEEE 802.3、IEEE 802.3u、IEEE 802.3x、IEEE 802.3ab、IEEE 802.3af、IEEE 802.3at、IEEE 802.3z	

Product model		RG-ES126S-LP	RG-ES126S-P
Port	Number of 10/100/1000 Mbps RJ45 port	2	
	Number of 10/100 Mbps RJ45 port	24	
	Number of 1000 Mbps SFP port	1	This SFP port and port 26 compose a combo port, and the SFP port owns a higher priority.
	Operating mode	Three operating modes are supported: Standard Mode, Flow Control-OFF and Port Isolation.	
Performance	Backplane bandwidth	8.8 Gbps	
	Exchange mode	Store-and-forward	
	MAC address table learning	Auto aging, auto learning	
	MAC address table	16 K	
PoE power	PoE standard	IEEE 802.3af, IEEE 802.3at	
	PoE power cable core	4 cores: voltage of cores 1, 2 is +, and cores 3, 6 is -	
	PoE port	1 to 24	
	Maximum output power of a single port	30 W	30 W
	Maximum output power of the switch	230 W	370 W

Product model		RG-ES126S-LP	RG-ES126S-P
Dimensions (L x W x H)		440 mm × 208 mm × 44 mm	440 mm × 240 mm × 44 mm
AC Input		220V AC, 50Hz, 2.5A max	220V AC, 50Hz, 3A
Lightning protection	RJ45 port	Common mode: 6 kV	
	Power	Common mode: 6 kV; Differential mode: 6 kV	
Operating environment		Temperature: 0°C - 45°C Humidity: (10% - 90%) RH, non-condensing	
Storage environment		Temperature: -40°C - 70°C Humidity: (5% - 90%) RH, non-condensing	
Data transmission rate		Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)	
Transmission media		Ethernet: CAT3 UTP/STP or better Fast Ethernet: CAT5 UTP/STP or better Gigabit Ethernet: CAT5e or CAT6 UTP/STP	
Network standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3z	

如需了解产品及安装方面的更多信息，请登录锐捷网络网站 www.ruijie.com.cn

For more information about the product and installation procedures, log in to www.ruijie.com.cn

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