

RG-ES109DS / RG-ES110GDS

交换机快速安装指南

Switch Quick Installation Guide

锐捷以太网交换机快速安装指南

Ruijie Ethernet Switches Installation Quick Start

本指南适用于 RG-ES109DS 和 RG-ES110GDS ,文中图片以 RG-ES109DS 为例进行说明。

This quick start applies to RG-ES109DS and RG-ES110GDS. RG-ES109DS is used as an example to illustrate the installation and connection of the switch.

设备安装

Install the switch

安装前准备

Preparing for installation

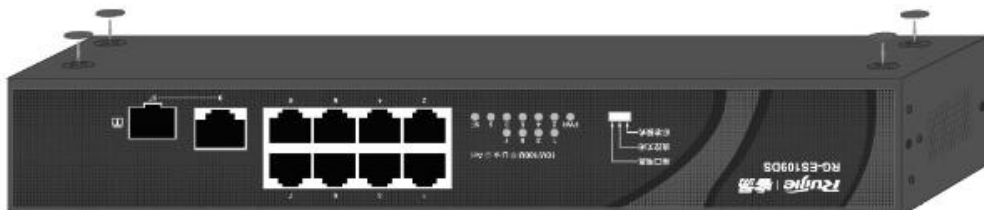
- 安装到桌面：防静电手环或防静电手套
Mounting on the desktop: ESD bracelet or gloves
- 安装到 19 英寸标准机架：防静电手环或防静电手套、螺丝刀、螺钉
Mounting to a standard 19-inch rack: ESD bracelet or gloves, screwdriver, screws

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.



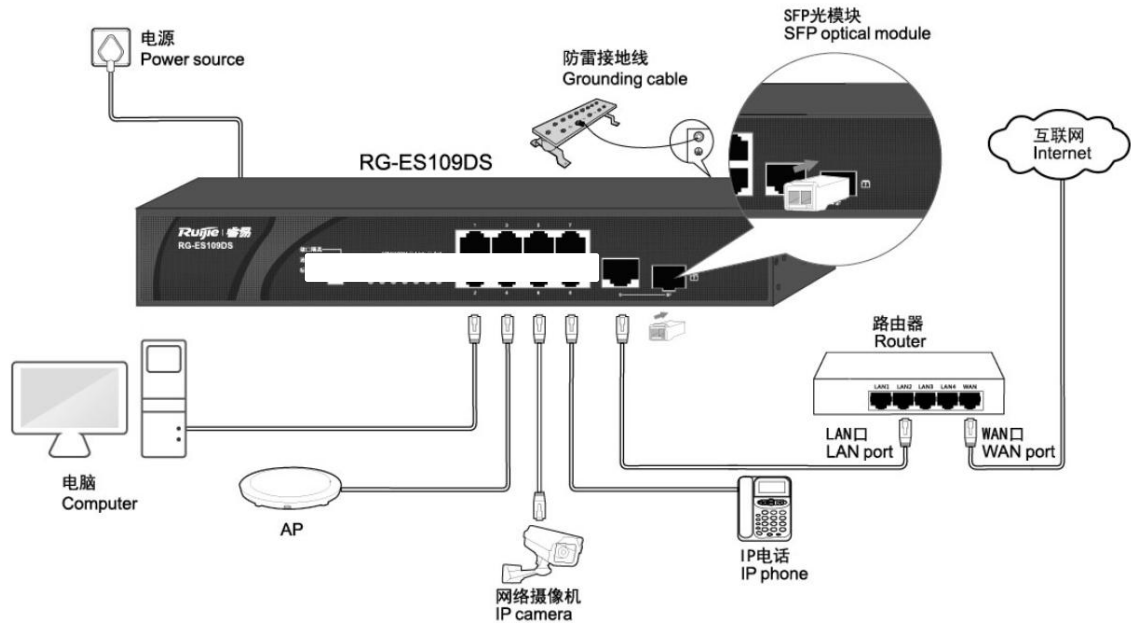
3. 将交换机放置于机架内的适当位置，用螺钉（需自备）将 L 型支架固定到机架两侧的导槽上，确保交换机平稳地安装到机架上。

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.



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。
- RG-ES109DS 交换机的端口 9 与端口 9F 复用, 且 9F 端口优先。即, 当使用交换机的 9F 端口时, 9 口不能使用。RG-ES110GDS 交换机的端口 9F 和 10F 端口是独立光端口。

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。

Note

- 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.

- For RG-ES109DS, port 9 and port 9F compose a combo port, and port 9F owns a higher priority. So when port 9F of the switch is used, port 9 cannot be used. For RG-ES110GDS, ports 9F and 10F are independent SFP ports.

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.

请参考下表检查设备连接是否正确或调节交换机工作模式。

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
PWR	<p>长亮：交换机通电正常。</p> <p>熄灭：交换机未通电或通电异常。</p>
1~9,9F, 10F	<p>长亮：端口已连接。</p> <p>闪烁：端口正在传输数据。</p> <p>熄灭：端口未连接，或连接异常。</p>
	<p>工作模式拨码开关。</p> <ul style="list-style-type: none"> 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，1~8号端口不能互相通信，但都能与9、9F和10F端口通信。可以隔离DHCP广播，减少广播风暴。



LED indicator/Toggle	Description
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>
1 to 9, 9F, 10F	<p>Solid on: The port is connected to a device.</p>

Blinking: Data is being transmitted over the port.

Off: The port is not connected or is not connected properly.

Toggle for switching operating modes:



- Standard Mode: It is the default operating mode. In this mode, the switch functions as a common unmanaged switch, and all ports of the switch can communicate with each other.
 - 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.
 - Port Isolation: In this mode, ports 1 to 8 cannot communicate with each other, but can communicate with ports 9, 9F and 10F respectively, which helps isolate DHCP broadcast and reduce broadcast storm.
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规格参数

Specifications

产品型号		RG-ES109DS	RG-ES110GDS
端口	10/100Mbps RJ45 端口数	8	0
	10/100/1000Mbps RJ45 端口数	1	8
	1000Mbps SFP 端口数	1 与 9 端口复用，且 SFP 端口优先	2 为独立 SFP 端口
	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	交换模式	存储转发	
	MAC 地址表	2K	8K
	MAC 地址学习	自动学习、自动老化	
外形尺寸 (长×宽×高)		294mm×178mm×44mm	
电源输入		100~240V AC, 50/60Hz, 0.4A	
防雷	RJ45 端口	共模：4kV	
	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	
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 1000Base-SX：MMF (多模光纤) 1000Base-LX：MMF (多模光纤) 或 SMF (单模光纤)	
网络标准		IEEE 802.3、IEEE 802.3u、IEEE 802.3x、IEEE 802.3ab、IEEE 802.3z	

Product model		RG-ES109DS	RG-ES110GDS
Port	Number of 10/100 Mbps RJ45 port	8	0
	Number of 10/100/1000 Mbps RJ45 port	1	8
	Number of 1000 Mbps SFP port	1 This SFP port and port 9 compose a combo port, and the SFP port owns a higher priority.	2 Both are independent SFP ports.
	Operating mode	Three operating modes are supported: Standard Mode, Flow Control-OFF and Port Isolation.	
Performance	Switching mode	Store-and-forward	
	MAC address table	2 K	8 K
	MAC address learning	Auto learning, auto aging	
Dimensions (L x W x H)		294 mm × 178 mm × 44 mm	
AC Input		100 - 240V AC, 50/60Hz, 0.4A	
Lightning protection	RJ45 port	Common mode: 4 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	
Transmission media		Ethernet: CAT3 UTP/STP or better Fast Ethernet: CAT5 UTP/STP or better Gigabit Ethernet: CAT5e or CAT6 UTP/STP 1000Base-SX: MMF (Multi-Mode Fiber) 1000Base-LX: MMF (Multi-Mode Fiber) or SMF (Single Mode Fiber)	
Network standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, 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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