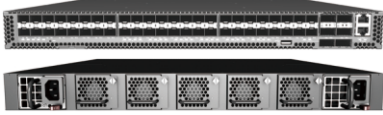


# Quick Start Guide

54-Port 10G/40G Fiber Ethernet Switch  
RS6520-54Q-EI-48X



## 1. Unpack the Switch and Check Contents



RS6520-54Q-EI-48X



Rack Mounting Kit 2 front-post brackets, 2 rear-post brackets, 20 screws, and 2 ear-lock screws



Power Cord (included with AC PSU only)



Ground Wire



Console Cable RJ-45 DB-9



DC Power Cable (included with DC PSU only)



Documentation **Quick Start Guide** (this document)  
and Safety and Regulatory Information

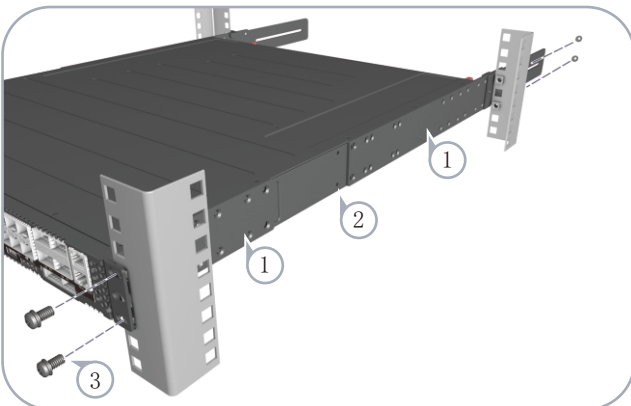


**Caution:** The switch includes plug-in power supply (PSU) and fan tray modules that are installed into its chassis. Installed modules must have a matching airflow direction. That is, if the installed power modules have a front-to-back (F2B) airflow direction, all the installed modules must also have a F2B airflow direction.



**Note:** The switch drawings in this document are for illustration only and may not match your particular switch model.

## 2. Attach the Brackets



- 1 Attach each of the front and rear-post brackets to the switch using four of the included bracket screws.
- 2 Use an additional two screws to secure each of the rear-post brackets at the mid-point on the sides of the switch.

③

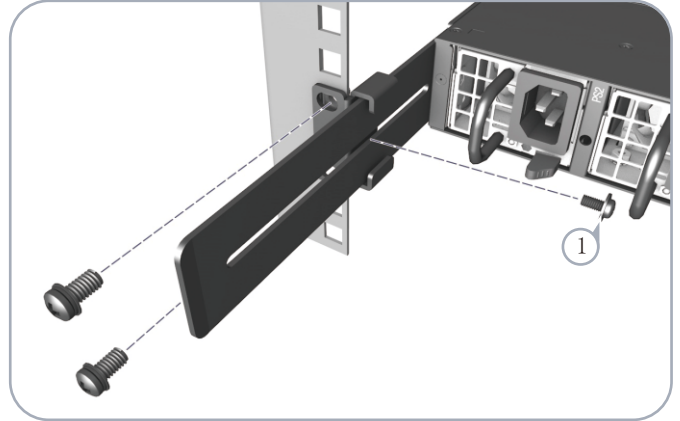
Use the screws and cage nuts supplied with the switch to secure the switch in the rack.



**Caution:** Installing the switch in a rack requires two people. One person should position the switch in the rack, while the other secures it using the screws.

装置の吸排気に必要な領域をマニュアル上に規定している。

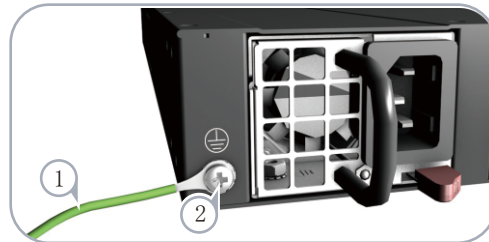
## 3. Adjust Rear-Post Bracket Ears



①

Lock the position of the rear-post bracket ears using the included position-locking screws. You can also adjust the rear-post bracket to fit different rack depths from 56 cm to 75 cm.

## 4. Ground the Switch



①

Ensure the rack is properly grounded and in compliance with ETSI EN 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).

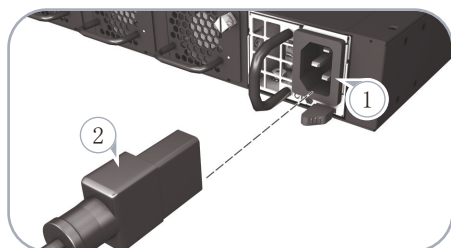
②

Attach the circular terminal of the grounding wire to the grounding point on the switch rear panel. Then connect the other end of the wire to rack ground.

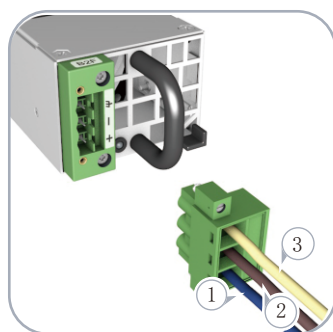


**Caution:** The earth connection must not be removed unless all supply connections have been disconnected.

## 5. Connect Power



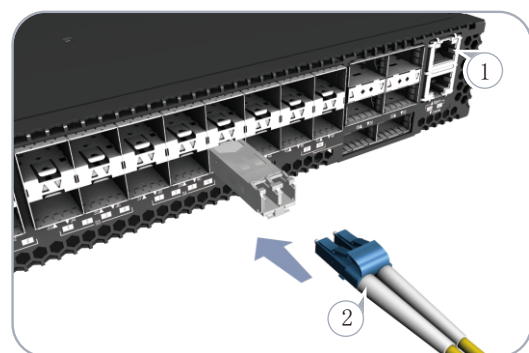
- ① Install one or two AC or DC power modules in the switch. The switch supports up to two PSUs that must have the same matching airflow direction as the installed fan tray.
- ② Connect an external AC or DC power cable to the power module. VDC Return (blue)



- ① 36–75 VDC (nominal)
- ② –36 ––75 VDC (return)
- ③ Chassis Ground (yellow-green wire)
- ④ Open Rack tray connector for 12 VDC PSU

**Caution:** Use a UL/IEC/EN 60950-certified power supply to connect to a DC converter, and a #14 AWG (for 36 VDC PSU) or #10 AWG (for 12 VDC PSU) wire to connect to a DC PSU.

## 6. Connect Network Cables



- ① For the RJ-45 Management port, connect 100-ohm Category 5, 5e or better twisted-pair cable.
- ② Connect DAC cables to the SFP+/QSFP+ ports. **first install SFP+/QSFP+ transceivers and then connect fiber optic cabling to the transceiver ports.**

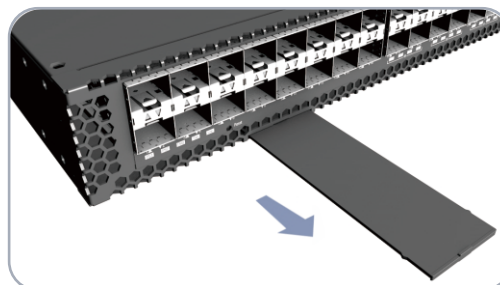
The following transceivers are supported:

- ◆ 40GBASE-CR4
- ◆ 40GBASE-SR4
- ◆ 10GBASE-CR
- ◆ 10GBASE-SR
- ◆ 1000BASE-SX
- ◆ 1000BASE-LX



**Note:** As connections are made, check the port status LEDs to be sure the links are valid.

## 7. View the Product Label



- ① The switch product label is located below SFP+ ports 7–12 on left side of the front panel. Pull the label out to view product information.

## Hardware Specifications

### Switch Chassis

Size (WxDxH)	442.5 x 473 x 43.95 mm (17.42 x 18.62 x 1.73 inch)
Weight	8.95 kg (19.73 lb), with installed PSU
Temperature	Working: 0 °C to 40 °C (32 to 104 °F) Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	working: 5% to 95% (non-condensing)
Power Consumption	75 VDC 282 Watts maximum

### AC PSU

Power Rating	100 240VAC, 50–60 Hz, 400 Watts
AC Input	100 240VAC, 50–60 Hz, 6–3 A
DC Output	5 VSB @ 3 A, VDC @ 33 A

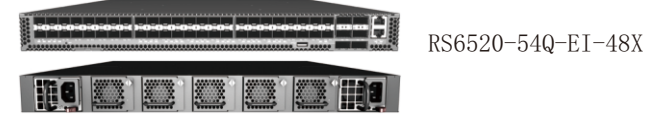
# 快速入门指南

## 54端口10G/40G以太网路由交换机

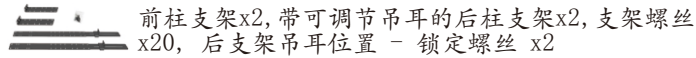
RS6520-54Q-EI-48X



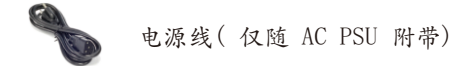
### 1. 打开交换机的包装并检查内装物



RS6520-54Q-EI-48X



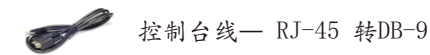
前柱支架x2, 带可调节吊耳的后柱支架x2, 支架螺丝x20, 后支架吊耳位置 - 锁定螺丝 x2



电源线 ( 仅随 AC PSU 附带 )



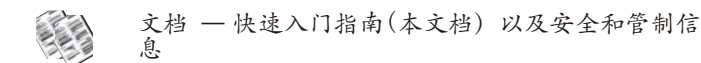
接地线



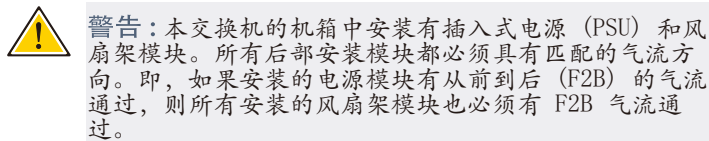
控制台线— RJ-45 转DB-9



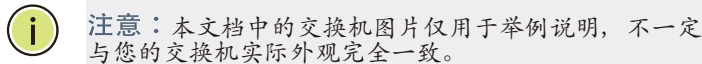
DC 电源线 ( 仅随 48 VDC PSU 附带 )



文档 — 快速入门指南 (本文档) 以及安全和管制信息

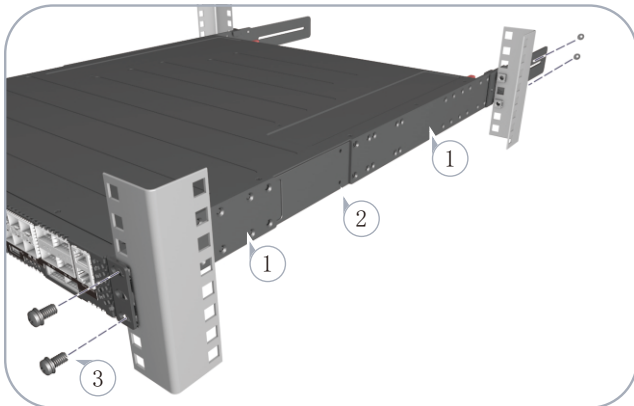


**警告：**本交换机的机箱中安装有插入式电源 (PSU) 和风扇架模块。所有后部安装模块都必须具有匹配的气流方向。即，如果安装的电源模块有从前到后 (F2B) 的气流通过，则所有安装的风扇架模块也必须有 F2B 气流通过。



**注意：**本文档中的交换机图片仅用于举例说明，不一定与您的交换机实际外观完全一致。

### 2. 安装交换机



① 使用四个随附的支架螺丝将各个前柱和后柱支架安装到交换机。

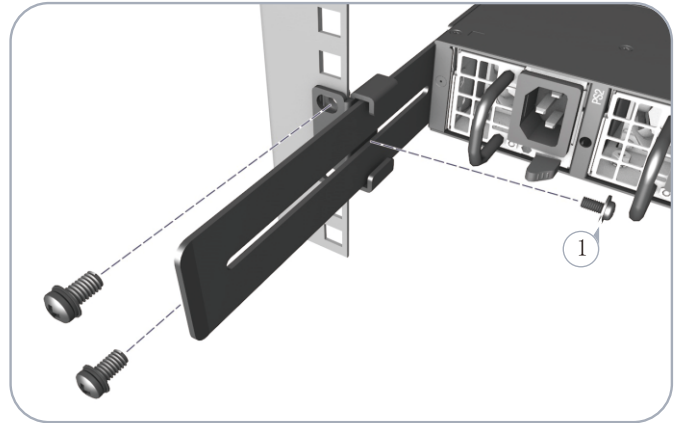
② 使用另外两个螺丝将每个后柱支架固定到交换机侧面上的中间点。

③ 使用机架随附的螺丝和卡式螺母将交换机固定到支架上。



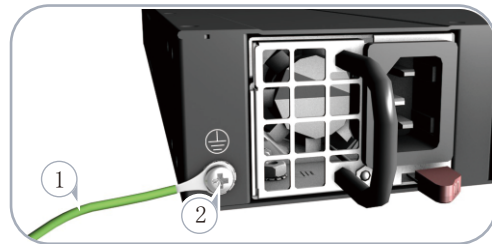
**警告：**将此交换机安装在机架中时需要两个人。一个人将交换机放置在机架中，同时另一个人用机架螺丝将其固定。  
装置の吸排気に必要な領域をマニュアル上に規定している。

### 3. 调整后柱支架吊耳



① 使用随附的定位螺丝固定后柱支架吊耳的位置。  
此外，还可以调整后柱支架吊耳以适合不同的机架深度，范围是56 cm到75 cm。

### 4. 对交换机实施接地



① 请确保对机架正确实施接地，并确保符合 ETSI ETS 300 253。请确认机架上的接地点的电气导通状态良好（确保没有油漆或绝缘表面处理）。

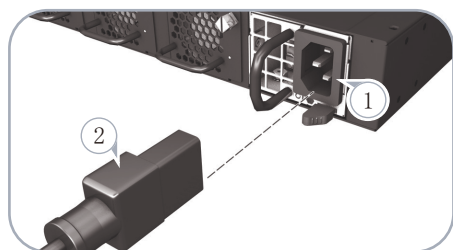
② 将接地线的圆环端子连接到交换机背面的接地柱，另一端连接到机架的接地柱。



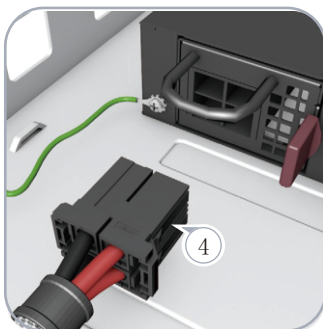
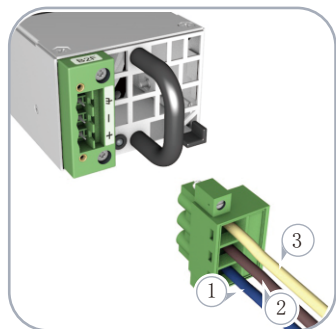
**警告：**在断开所有电源连接前，切勿断开接地

此产品为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。

## 5. 连接电源



- ① 在交换机上安装 1 个或 2 个 AC 或 DC 电源模块。本交换机可使用最多 2 个 PSU，且 PSU 的气流方向必须与安装的风扇框相同。
- ② 将外部 AC 或 DC 电源线连接至电源模块。

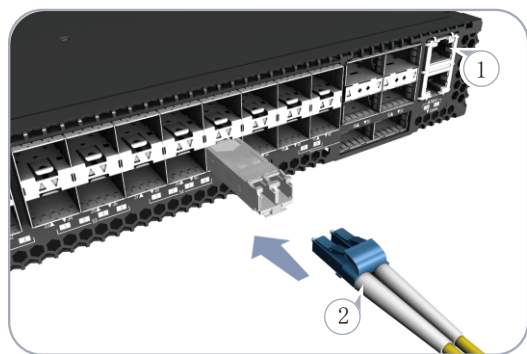


- ① 36 - 75 VDC Return (蓝线)
- ② -36 - -75 VDC (棕线)
- ③ Chassis Ground (黄线)
- ④ 12 VDC PSU (从开放式机架后方的母线取电)



**警告：**使用 UL/IEC/EN60950-1 认证的电源连接 DC converter。使用 #14AWG (用于 36VDC 到 75VDC PSU) 或 #10 AWG (用于 12 VDC PSU) 线连接到 DC PSU。

## 6. 连接网线

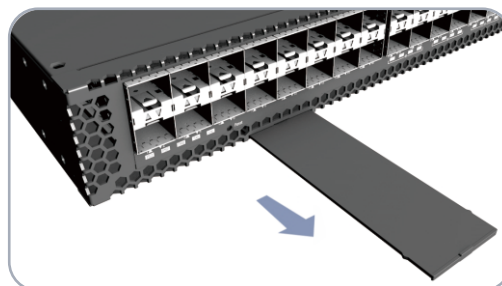


- ① 对于 RJ-45 管理端口，请连接 100-ohm 类别 5、5e 或以上的双绞线。
- ② 将 DAC 缆线连接至 SFP+/QSFP+ 插槽。也可先安装好 SFP+/QSFP+ 收发器，然后将光纤连接至收发器端口上。可使用以下收发器：
  - ◆ 40GBASE-CR4
  - ◆ 40GBASE-SR4
  - ◆ 10GBASE-CR
  - ◆ 10GBASE-SR
  - ◆ 1000BASE-SX
  - ◆ 1000BASE-LX



**注意：**完成连接后，请检查端口状态 LED，以确保已正常连接。

## 7. 查看产品标签



- ① 交换机产品标签位于前面板左侧 SFP+ 端口 7-12 的下方。拉出标签可以查看产品信息。

## 硬件规格

### 交换机机箱

尺寸 442.5 x 473 x 43.95 mm (17.42 x 18.62 x 1.73 英寸)  
(宽 x 深 x 高)

重量 8.95 kg (19.73 磅)，含附带的两个 PSUs

温度 工作：0°C 至 40°C (32°F 至 104°F)

存储：-40°C 至 70°C (-40°F 至 158°F)

湿度 工作：5% 至 95% (非冷凝)

功率消耗 最大 282 瓦

### AC PSU

额定功率 100-240 VAC, 50-60 Hz, 400 瓦

AC 输入 100-240 VAC, 50-60 Hz, 6-3 A

DC 输出 5 VSB @ 3 A, 12 VDC @ 33 A