

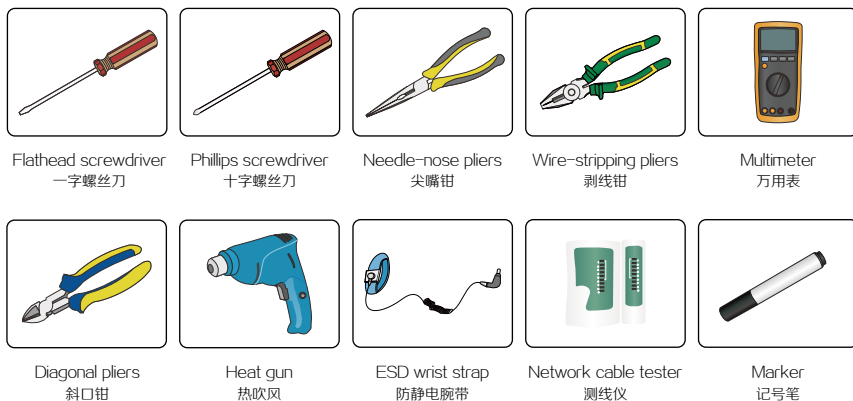
H3C MSR 5600 Routers Installation Quick Start (For MSR 56-60[80])-6PW110

H3C MSR 5600路由器 快速安装指南(For MSR 56-60[80])-6PW110

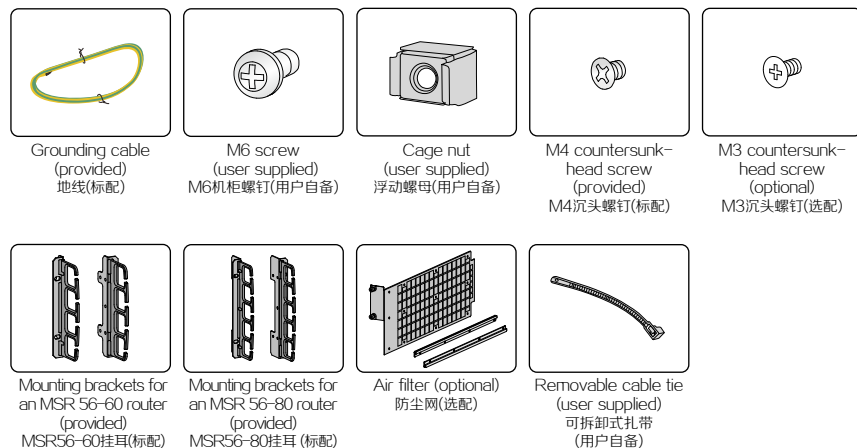
BOM: 3104A0C9

Tool list 工具参考

The installation tools are not provided with the router. Prepare them yourself.
路由器不随机提供安装工具，请用户根据实际安装需求自己准备安装工具。



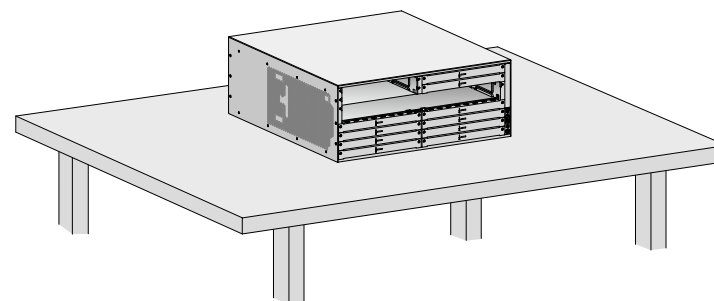
Installation accessories 安装附件介绍



Wear an ESD wrist strap, and make sure the wrist strap makes good skin contact and is reliably grounded.
操作者需佩戴防静电腕带，确保防静电腕带与皮肤良好接触，并确认防静电腕带已经良好接地。

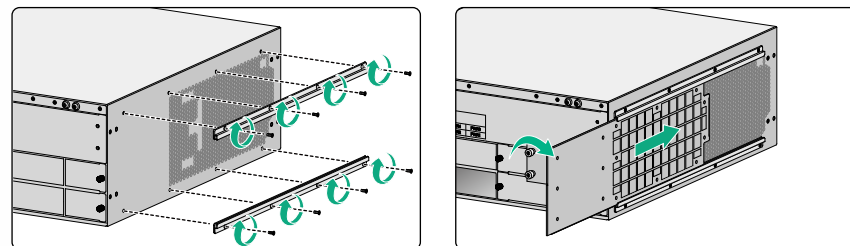
Mounting the router on a workbench 安装路由器到工作台

Mount the router on a workbench
将路由器安装到工作台



Installing an air filter 安装防尘网

Air filters are optional components. Skip this step if you are not to install an air filter.
防尘网为选装配件，无需使用该配件的用户请跳过本步骤。

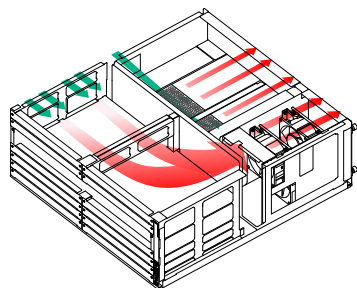


Airflow design of the router 路由器的风向设计

Make sure the air inlet and outlet vents are not blocked and the installation site has a good ventilation system.

请确保路由器的进、出风孔不被遮挡，并将路由器安装在具有良好通风散热系统的环境中。

The MSR 56-60/56-80 uses left-to-rear air aisles.
MSR 56-60/56-80路由器采用左进后出的风道设计。

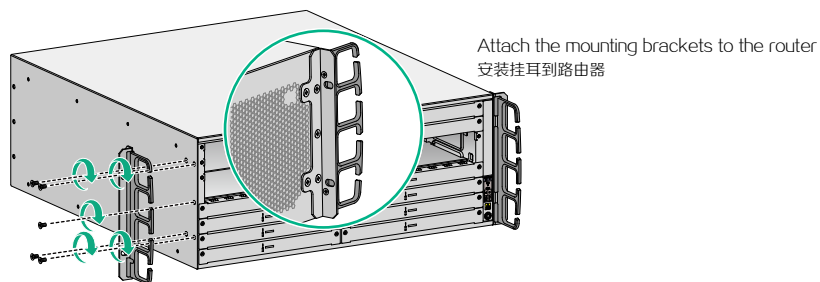
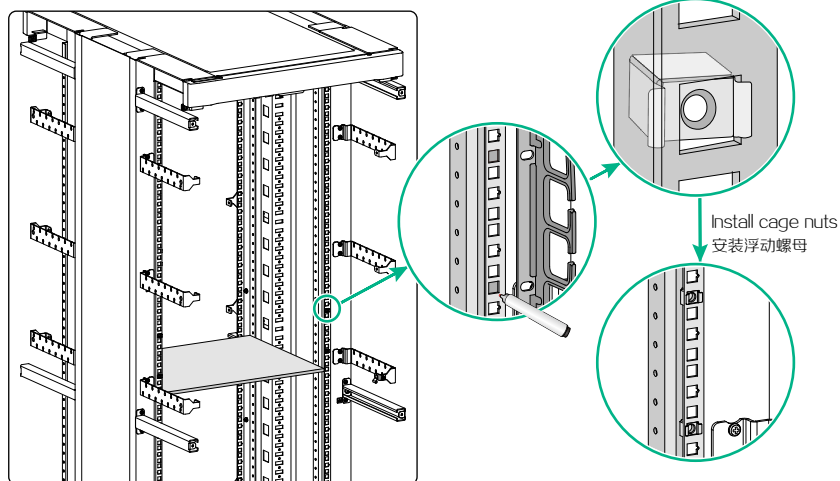


Mounting the router in a rack 安装路由器到机柜

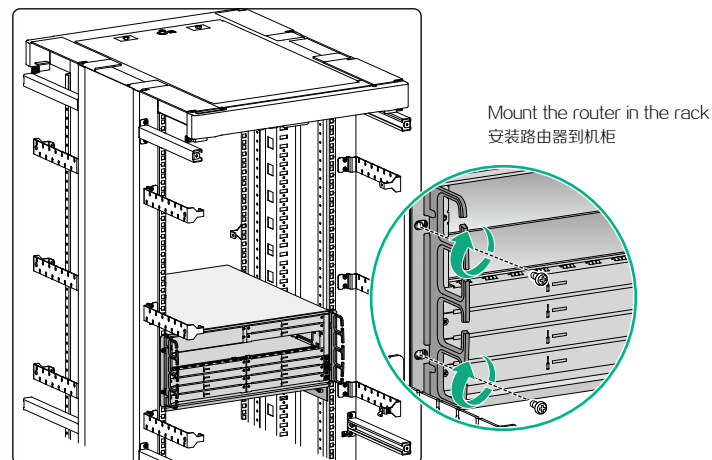


The shipped mounting brackets and mounting bracket installation method vary by device model. The following mounting bracket installation is for illustration only.

不同款型的设备，标配挂耳及挂耳的安装方式不同，安装挂耳到路由器时请按照实际情况进行选择。



Attach the mounting brackets to the router
安装挂耳到路由器



Mount the router in the rack
安装路由器到机柜

Connecting the grounding cable 连接保护地线



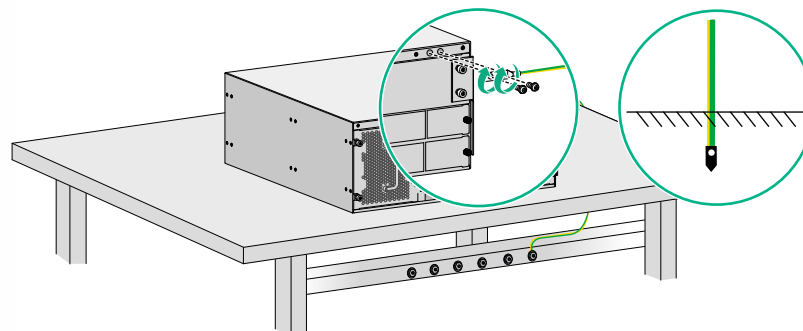
Correctly connecting the router grounding cable is crucial to lightning protection and EMI protection.

路由器地线的正确连接是路由器防雷、防干扰的重要保障，请使用设备随机提供的保护地线正确接地。

To connect the grounding cable for a router installed on a workbench:

1. Remove the two grounding screws from the grounding holes and use the grounding screws to attach one end of the grounding cable to the grounding holes.
2. Connect the other end of the grounding cable to the building grounding device. If the installation site does not have grounding devices but earth ground is available, hammer an angle iron or steel tube into the earth ground to act as a grounding conductor.

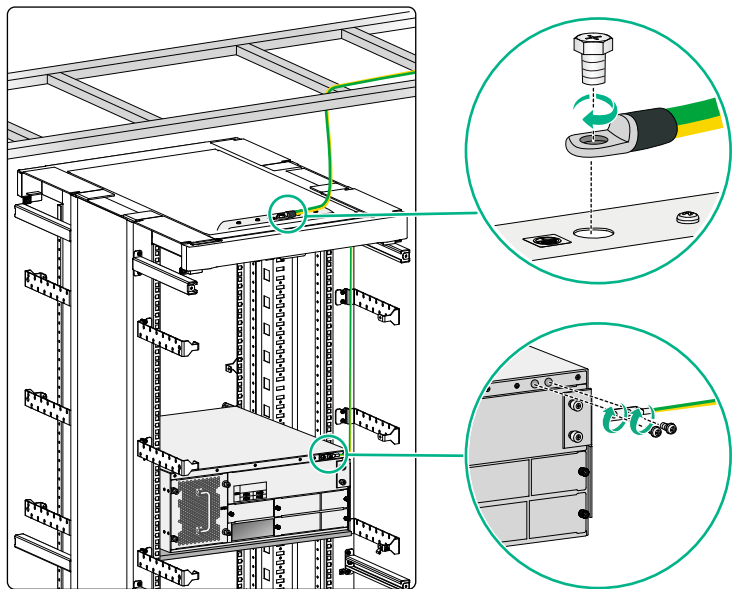
路由器安装在工作台时，应将接地线一端与路由器相连，并使用随设备提供的两颗接地螺钉固定，另一端与楼宇接地装置相连。如果安装环境中不具备专用的接地线连接装置也可以采用埋设接地体的方式将设备妥善接地。



To connect the grounding cable for a router installed in a rack:

1. Make sure the rack is reliably grounded. Connect the building grounding cable to the grounding strip on the rack.
2. Use the grounding cable to connect the router to the grounding strip on the rack.

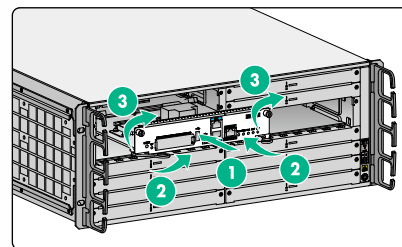
路由器安装在机柜时，要求机柜已经良好接地，首先需将楼宇保护地线与机柜接地排相连，然后使用接地线将路由器与机柜接地排相连。



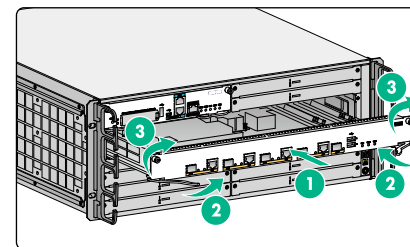
Installing an MPU/SPU/HMIM 安装主控板/业务板/接口模块

- To install two MPUs for the router, make sure the two MPUs are the same model. 安装双主控时，两个主控板型号必须一致。
- The SPU-600-X1 can only be used together with the MPU-100-X1. SPU-600-X1和SPE业务板仅能与MPU-100-X1主控板配套使用。
- The SPU-300-G can only be used together with the MPU-100-G. SPU-300-G业务板仅能与MPU-100-G主控板配套使用。

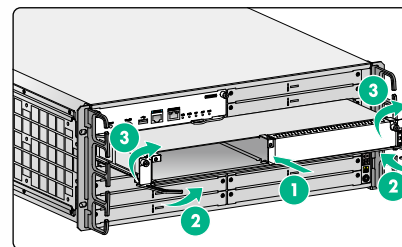
MPUs, SPEs and HMIMs are hot swappable. SPUs are not hot swappable.
MPU主控板、SPE业务板和HMIM接口模块支持热插拔，SPU业务板不支持热插拔。



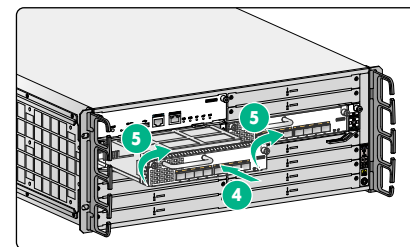
Install an MPU. Dual MPUs are supported
安装MPU主控板，支持双主控



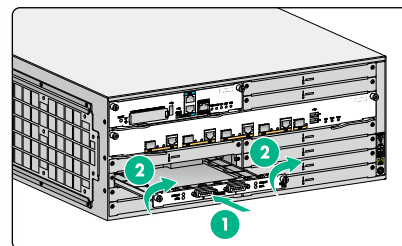
Install an SPU-100/200/300/100-X1/200-X1/
/300-G/400-X1
安装SPU-100/200/300/100-X1/200-X1/300-G/
/400-X1业务板



Install an SPU-600-X1. 安装SPU-600-X1业务板



Install an SPE on an SPU-600-X1. 安装SPE业务板

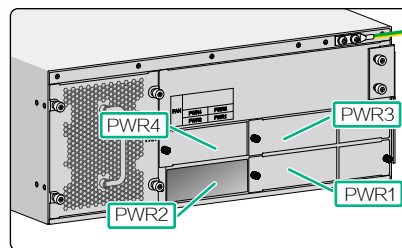


Install an HMIM. 安装HMIM接口模块

Installing a power module 安装电源模块

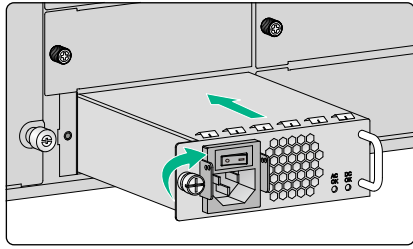
The MSR 56-60/56-80 router supports a maximum of four power modules and allows for power module redundancy. The power modules are hot swappable.

MSR 56-60/56-80路由器最多支持4个电源模块进行冗余备份，电源模块支持热插拔。

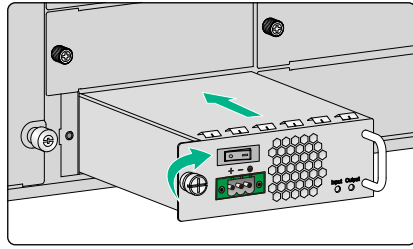


Do not install AC and DC power modules on the same router.

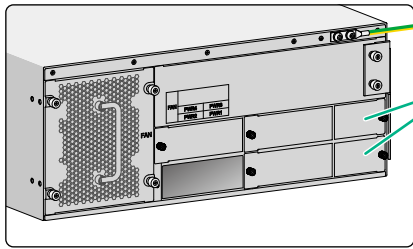
在需要安装多块电源的情况下，安装的电源模块必须全部为直流电源模块或者全部为交流电源模块。



AC power module. AC电源模块

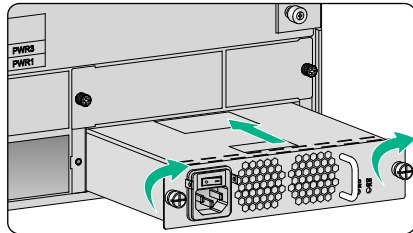


DC power module. DC电源模块



Filler modules. PoE电源隔板

If you remove the filler module next to the PWR1 or PWR3 slot, you can install a PoE power module. PWR1和PWR3槽位拆卸扩展隔板后，可以安装PoE电源模块。



PoE power module. PoE电源模块

Connecting a power cord 连接电源线

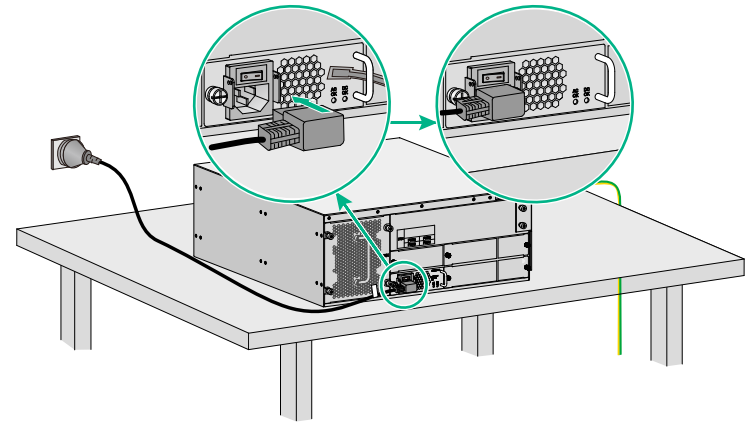
- Before connecting a power cord, make sure the router is reliably grounded.
在连接电源线前，需保证设备已正确接地。
- Make sure the power is shut off before connecting a power cord. To avoid bodily injury, connect the power cord first to the router and then to the equipment-room power supply system.
在连接电源线时，请确认路由器电源开关处于关闭状态，先完成电源线与路由器侧的连接，再进行电源线与机房供电系统的连接，以免造成人身伤害。

To connect a power cord for a router installed on a workbench:

1. Connect one end of the power cord to the router and the other end to the power source.
2. Use a removable cable tie to secure the power cord.

Arrange the power cords neatly and keep them away from high-temperature, wet, or sharp objects.

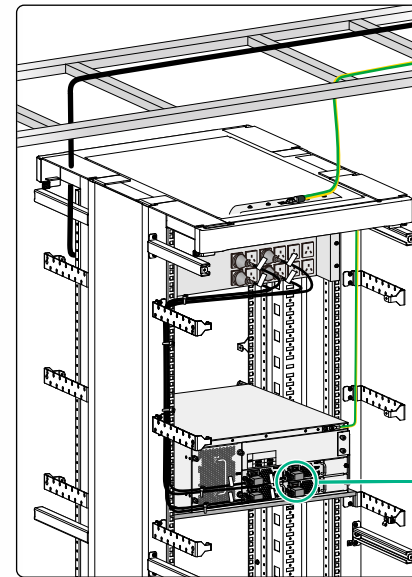
路由器安装在开放的工作台上，应将电源线摆放整齐，避免与高温、潮湿或尖锐的物品触碰。电源线的两端应分别与路由器和供电设备紧密相连，并使用可拆卸式扎带固定，避免因人员走动或触碰，勿将电源线松脱的情况发生。



To connect a power cord for a router installed in a rack:

1. Attach labels to both ends of the power cord for identification.
2. Connect one end of the power cord to the router and the other end to the power source.
3. Use removable cable ties to secure the power cord.

电源线的两端粘贴标签，并分别与路由器和供电设备紧密相连，同时使用可拆卸式扎带固定。



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