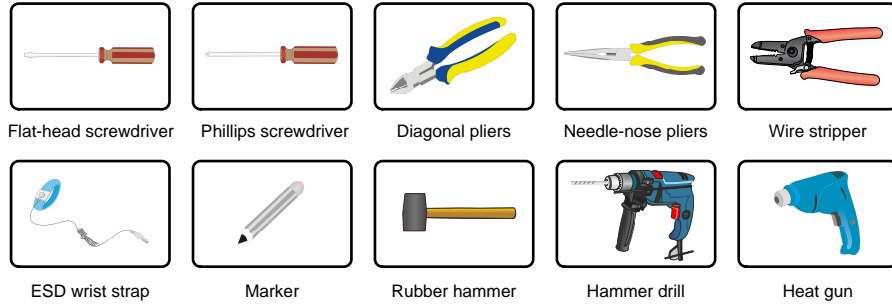


H3C Fixed Port Campus Switches Installation Quick Start-6W102

Installation tools

No installation tools are provided with the switch. Prepare them yourself as required.



Safety recommendations

To avoid any equipment damage or bodily injury during installation, read the following safety recommendations carefully before installation. Note that the recommendations do not cover every possible hazardous condition.

- Make sure the environmental conditions such as voltage, temperature, and humidity at the installation site meet the device requirements.
- Make sure the installation site is well-ventilated. Keep the air vents of the switch free of obstruction during switch operation.
- Place the switch in a location away from the interference sources.
- Wear an ESD wrist strap during the installation. Make sure the wrist strap makes good skin contact and is reliably grounded.
- To avoid body injury and device damage, power on the switch after the device is reliably grounded.
- Install a filler panel in each unused slot to ensure good ventilation.

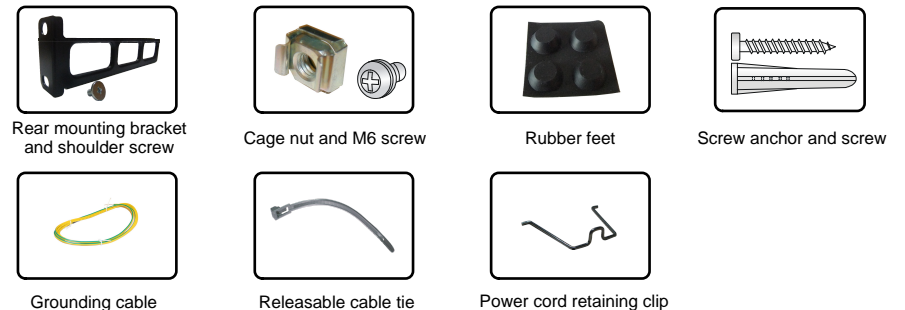
Installation accessories

- The applicable installation accessories vary by switch model. The packing list describes the accessories provided with the switch. For the accessories not provided with the switch, purchase them yourself as required.
- To rack-mount a switch not provided with mounting brackets, purchase mounting brackets from H3C and prepare cage nuts and M6 screws yourself.

1 Front mounting brackets and M4 screw

Type of front mounting brackets	Figures			
Standard front mounting brackets (Type A and Type B use two holes and Type C and Type D use four holes for attaching to the switch.)	(Type A)	(Type B)	(Type C)	(Type D)
	Long front mounting brackets Product code: SOHO-SWITCH-FL-02		Product code: LS5-FL-D	
	(Type G) Product code: SOHO-SWITCH-FL-01			

2 Other installation accessories

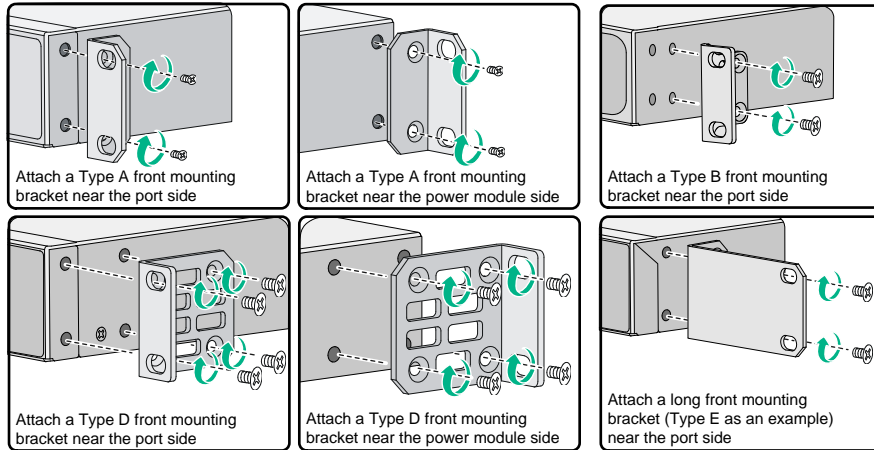


Mounting the switch in a rack

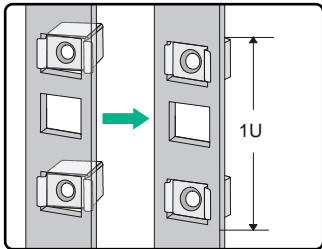
1 Using front mounting brackets

- This installation method is not applicable to a switch provided with both front and rear mounting brackets.
- The applicable front mounting brackets and the installation positions for the brackets vary by switch model. Select an installation position for the mounting brackets as required.
- A Type A, Type B, Type E, Type F, or Type G front mounting bracket uses two holes and a Type C or Type D front mounting bracket uses four holes for attaching to the switch.

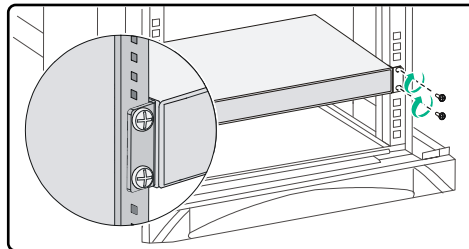
Attach the front mounting brackets to the switch



Install cage nuts



Mount the switch in a rack

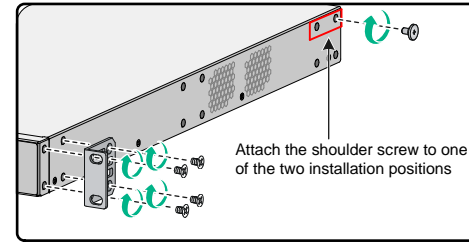


2 Using front and rear mounting brackets

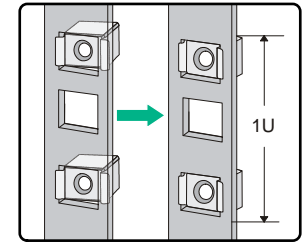
- This installation method is applicable to switch models that are provided with front and rear mounting brackets.
- You can install the front mounting brackets near the port side or power side of the switch as needed. (This section describes installation near the port side. The installation near the power module is similar.)
- To use PSR1110-56A power modules, choose a rack with a depth over 600 mm (23.62 in) for the switch.
- The rear mounting brackets support wide-spacing installation and narrow-spacing installation. For narrow-spacing installation, make sure the distance between the rear rack posts and the inside surface of the cabinet door is greater than 153 mm (6.02 in).

交换机深度	适用机柜
460mm	<ul style="list-style-type: none"> • Wide-spacing installation: Rack with a depth in the range of 429 to 595 mm (16.89 to 23.43 in) • Narrow-spacing installation: Rack with a depth in the range of 274 to 440 mm (10.79 to 17.32 in)
360mm	<ul style="list-style-type: none"> • Wide-spacing installation: Rack with a depth in the range of 327 × 494 mm (12.87 × 19.45 in) • Narrow-spacing installation: Rack with a depth in the range of 172 × 339 mm (6.77 × 13.35 in)
400mm	<ul style="list-style-type: none"> • Wide-spacing installation: Rack with a depth in the range of 355 × 521 mm (13.98 × 20.51 in) • Narrow-spacing installation: Rack with a depth in the range of 199 × 365 mm (7.83 × 14.37 in)

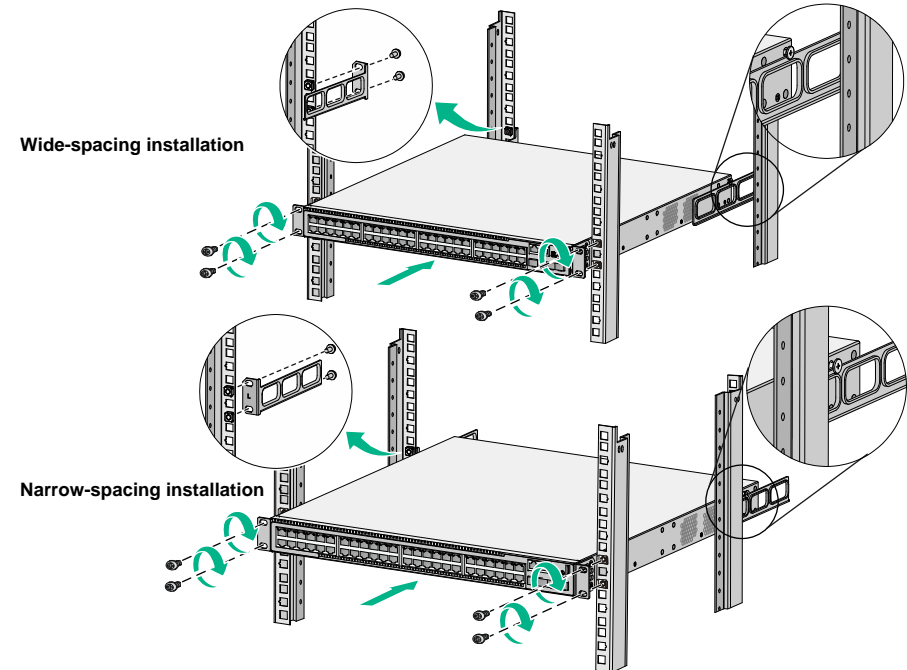
Attach the front mounting brackets and the shoulder screws to the switch



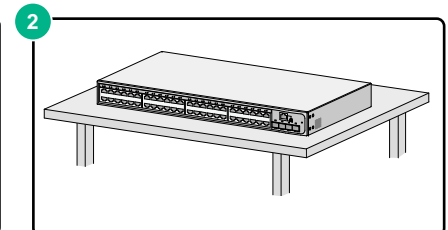
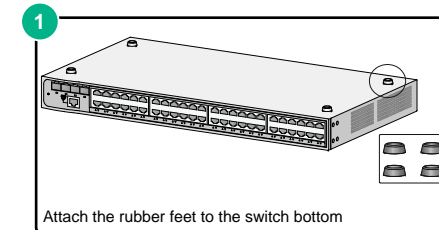
Install cage nuts



Attach the rear mounting brackets to the rack and rack mount the switch



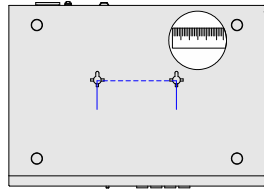
Mounting the switch on a workbench



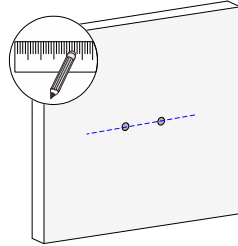
Installing the switch on a wall

Only switches that have two cross-shaped mounting holes in the bottom and come with screws of 20 mm (0.79 in) and screw anchors support wall mounting. To avoid bodily injury, check the wall for the presence of electrical wires before drilling holes in the wall. Reserve a minimum clearance of 10 cm (3.94 in) around the switch for heat dissipation.

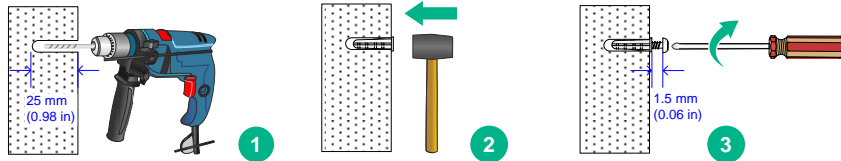
Measure the distance between the two cross-shaped mounting holes.



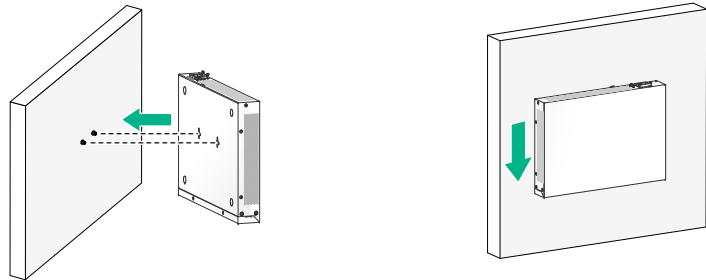
Mark the installation holes on the wall. Make sure the two installation holes are on the same horizontal line.



Drill two holes with a diameter of 6 mm (0.24 in) and depth of 25 mm (0.98 in) in the wall. Hammer a screw anchor into each hole. Use a Phillips screwdriver to drive the screw into each screw anchor, leaving 1.5 mm (0.06 in) between the screw head and the wall for hanging the switch.



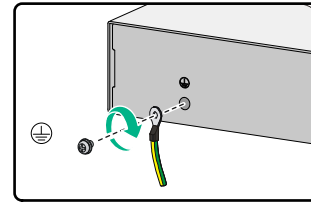
Mount the switch on the wall. Make sure the switch port side faces downwards and the left and right sides are perpendicular to the ground.



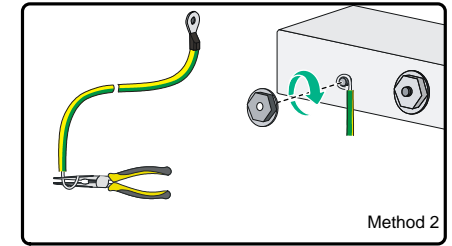
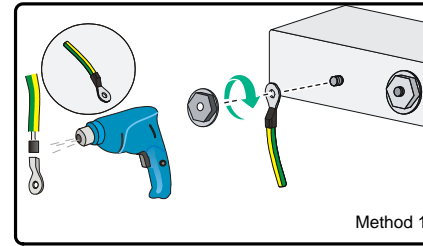
Connecting the grounding cable

Correctly connecting the grounding cable is crucial to lightning protection and EMI protection. Use the grounding cable provided with the switch for grounding.

Connect the grounding cable to the switch



Connect the grounding cable to a grounding strip



Installing a fan tray

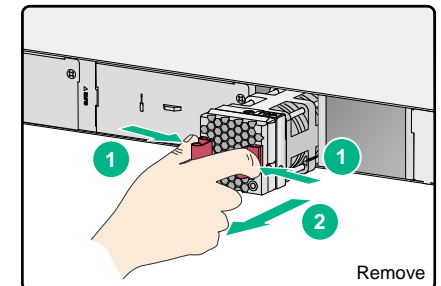
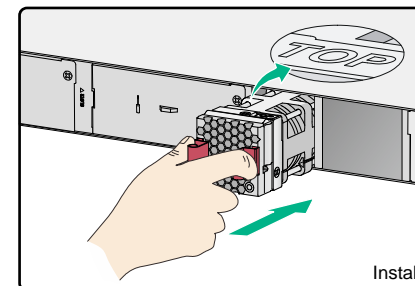
This section is applicable only to switch models that use removable fan tray modules.

Make sure the airflow direction of the fan tray is as required by the installation site. The fan tray with a blue handle provides power module-side intake and port-side exhaust airflow. The fan tray with a red handle provides port-side intake and power module-side exhaust airflow. Install two fan trays of the same model on the switch.

Make sure the "TOP" mark stays on top when you install the fan tray. Make sure no slots are empty when the device is operating. Install modules or filler panels in empty slots. If two fan trays fail during device operation, finish replacing the fan trays within 2 minutes.

If one fan tray fails, perform either of the following tasks:

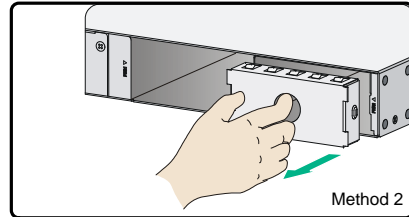
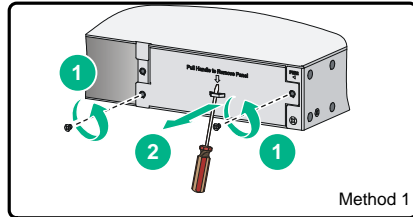
- If the ambient temperature is not higher than 27°C (80.6°F), replace the fan tray within 24 hours and make sure the failed fan tray is in position before the replacement.
- If the ambient temperature is higher than 27°C (80.6°F), replace the fan tray immediately.



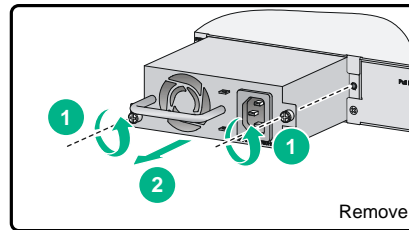
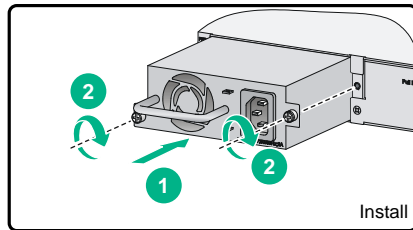
Installing a power module

This section is applicable only to switch models that use removable power modules.

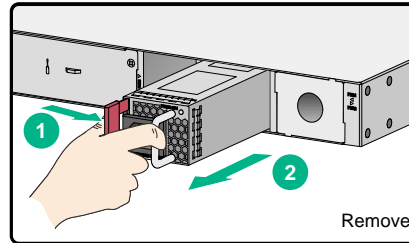
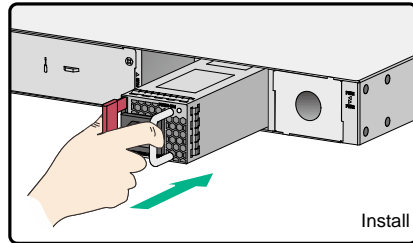
Remove a filler panel (skip this step if no filler panel is in the power module slot)



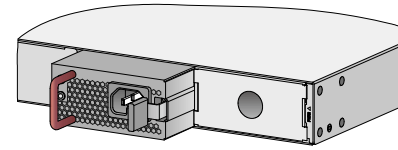
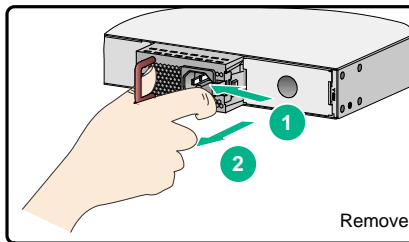
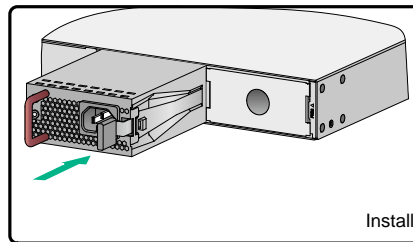
Install and remove a power module (method 1)



Install and remove a power module (method 2)



Install and remove a power module (method 3)



A PSR1110-56A power module (including its handle) adds 64 mm (2.52 in) to the chassis depth.

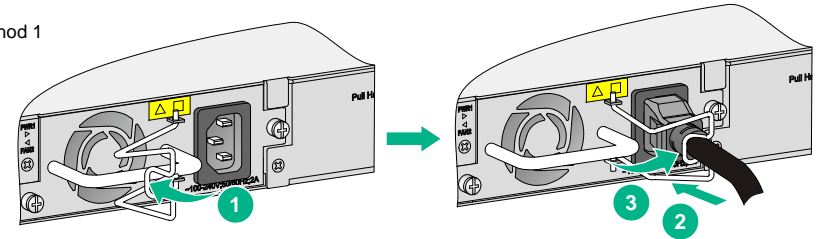
PSR1110-56A installed in the slot

Connecting the power cord

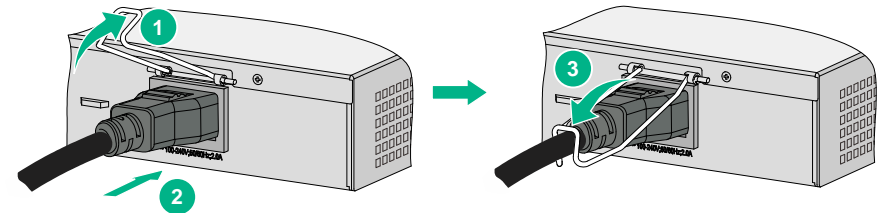
- Before connecting the power cord, make sure the switch is reliably grounded.
- To avoid bodily injury, connect the power cord first to the switch and then to the equipment-room power supply system.
- A retaining clip or releasable cable tie might be provided for securing the power cord. The installation position for the retaining clip or releasable cable tie vary by switch model.
- The power cord varies by power module. Do not mix power cords.

1 Connecting the power cord for an AC power module

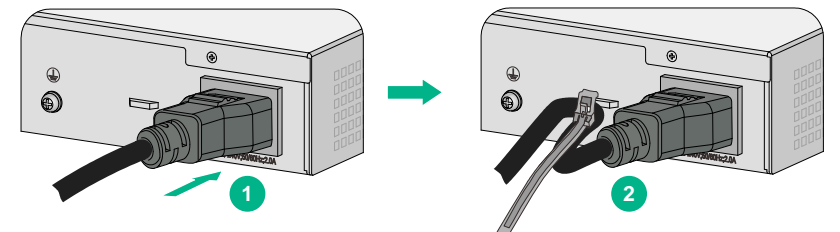
Method 1



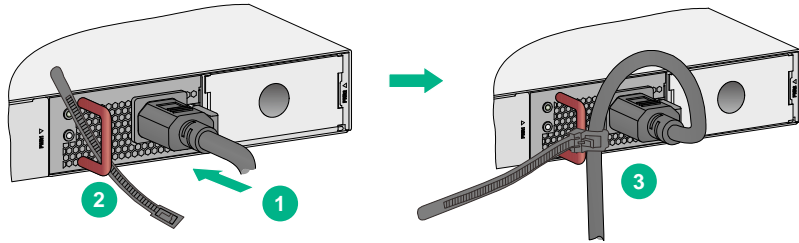
Method 2



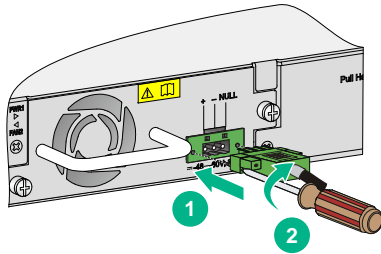
Method 3



Method 4



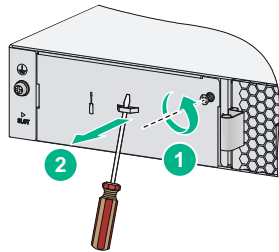
2 Connecting the power cord for a DC power module



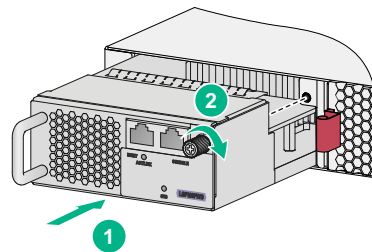
Installing an interface module

This section is applicable only to switch models that support expansion cards. To avoid damage, do not touch the electronic components on an expansion card. Various types of expansion cards are available for the switch. The installation method varies by expansion card type. Select an installation method as required. Make sure each slot has a module or filler panel installed when the switch is operating.

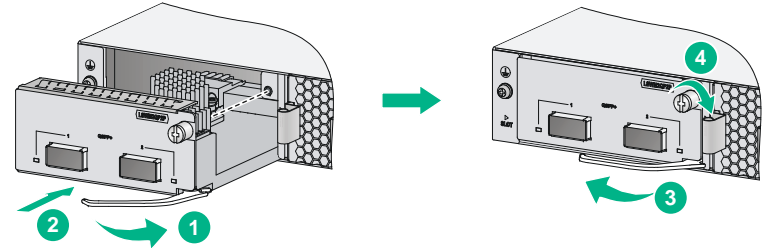
Remove a filler panel



Install an expansion card (method 1)



Install an expansion card (method 2)

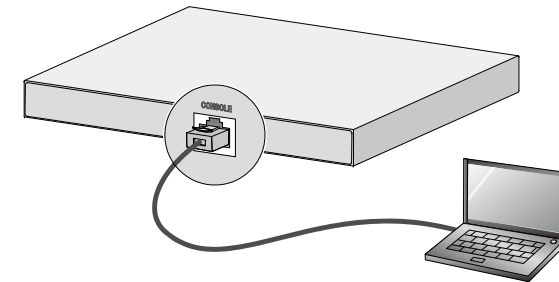


An LSPM6FWD interface module installed on the device adds 75 mm (2.95 in) to the chassis depth.

Accessing the switch for the first time

1 Connecting the console cable for the switch

To access the switch for the first time, you can use a console cable to connect the console port or micro USB console port on the switch to a configuration terminal. Some devices support HTTP or HTTPS login by default. Users can use the default login information to log in to the Web interface of these devices through HTTP or HTTPS. The following figure connects the console port of the device to a configuration terminal.



2 Starting the switch

Before powering on the switch, make sure the power cord is correctly connected to the external power supply system that supplies power normally and the console cable is correctly connected. After the switch is powered on, check whether the switch operates correctly by observing the LED status. For more information about LEDs, see LEDs in the *Hardware Information and Specifications* for the switch.