

Quick Start Guide

MX150

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Step 1: Begin

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To mount and connect power to the Juniper Networks® MX150, and perform initial configuration, you need:

- Electrostatic discharge (ESD) grounding strap (not provided)
- One pair of front-mounting bracket (provided)
- Eight screws to secure the mounting bracket (provided)
- Four screws to secure the chassis and mounting bracket to the rack (not provided)
- Screwdriver appropriate for your rack mounting screws (not provided)
- An AC power cord with plugs appropriate for your geographical location (provided)
- RJ-45 cable and RJ-45 to DB-9 serial port adapter (provided)

- Management host, such as a PC or laptop, with a serial port (not provided)
- (Optional) A grounding cable (minimum 14 AWG (2 mm²), minimum 90°C wire), a grounding lug (Panduit LCC10-14BWL or equivalent), a pair of 10-32x.25-in. screws, and a pair of flat washers (not provided). For information about installing the grounding cable, see the MX150 documentation at https://www.juniper.net/documentation/product/en_US/mx150.

Register product serial numbers on the Juniper Networks website and update the installation base data if there is any addition or change to the installation base or if the installation base is moved. Juniper Networks will not be held accountable for not meeting the hardware replacement service-level agreement for products that do not have registered serial numbers or accurate installation base data.

Register your product(s) at <https://tools.juniper.net/svcreg/SRegSerialNum.jsp>.

Update your install base at <https://www.juniper.net/customers/csc/management/updateinstallbase.jsp>.

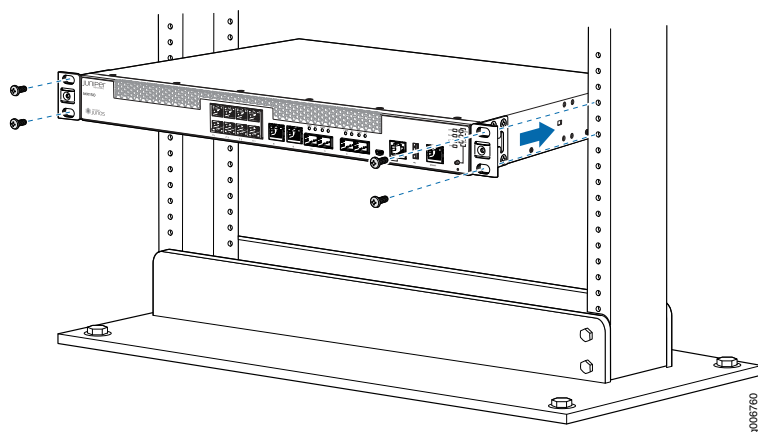
Mount the MX150

You can mount the MX150 device on two posts of a 19-in. rack by using the mounting brackets provided with the device. The device weighs approximately 9.4 lb (4.3 kg). Two persons are required for mounting the device.

1. Attach the ESD grounding strap to your bare wrist and to a site ESD point.

NOTE: If you are mounting multiple units in the rack, mount the heaviest unit at the bottom and mount the others from bottom to top in order of decreasing weight.

2. Place the rack in its permanent location, allowing adequate clearance for airflow and maintenance, and secure it to the building structure.
3. Align the mounting brackets along the front or rear of the side panels of the chassis— depending on whether you will front-mount or rear-mount the device—and attach the mounting brackets to the chassis by using the mounting screws. Tighten the screws.
4. Have one person grasp both sides of the device, lift the device, and position it in the rack, aligning the mounting bracket holes with the threaded holes in the rack rail. Align the bottom hole in each mounting bracket with a hole in each rack rail, making sure that the chassis is level.
5. Have the second person use the mounting screws (and cage nuts and washers if your rack requires them) to screw the mounting bracket to the rack.



Connect Power to the Switch

1. Attach the grounding cable to earth ground and then to the chassis grounding points.

NOTE: We recommend grounding for AC-powered systems. An AC-powered device gets additional grounding when you connect the power supply in the device to a grounded AC power outlet by using the power cord. The MX150 device uses a fixed, internal AC power supply.

2. Set the power switch to the off (O) position.
3. Insert the power cord plug into the power source outlet.
4. Insert the power cord coupler firmly into the inlet.
5. Set the power switch to the on (I) position.
6. Verify that the power LED is lit green and on steadily

Step 2: Up and Running

You must perform the initial configuration of the device to configure the static IP address on Junos so that the router is accessible from the remote server using telnet or ssh services.

To configure the device:

1. Log in as the root user. There is no password.

```
login: root
```

2. Start the CLI:

```
root% cli
```

3. Enter configuration mode:

```
root> configure
```

4. Remove Zero Touch Provisioning (ZTP) which enables the device to automatically upgrade the Junos OS software and auto-install configuration files from the network.

```
root# delete chassis auto-image-upgrade
```

5. Specify a password for the root administration user account:

```
[edit]  
root# set system root-authentication plain-text-password  
New password: password  
Retype new password: password
```

6. (Optional) Configure the name of the device. If the name includes spaces, enclose the name in quotation marks (" "):

```
[edit]  
root# set system host-name host-name
```

7. Delete DHCP configuration so that you can configure the IP address and prefix length for the device management interface:

```
[edit]  
root# delete interfaces fxp0 unit 0 family inet dhcp
```

8. Configure the IP address and prefix length of the management interface:

```
[edit]  
root# set interfaces fxp0 unit 0 family inet address address/prefix-length
```

9. Configure the default gateway:

```
[edit]  
root# set routing-options static route default next-hop address
```

10. Enable SSH service.

```
[edit]  
root# set system services ssh
```

11. Enable Telnet service.

```
[edit]  
root# set system services telnet
```

12. Commit the configuration to activate it on the device:

```
[edit]  
root# commit
```

Step 3: Keep Going

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See the complete MX Series documentation at https://www.juniper.net/documentation/product/en_US/mx150.

Safety Warnings Summary

This is a summary of safety warnings. For a complete list of warnings, including translations, see the MX Series documentation at https://www.juniper.net/documentation/product/en_US/mx150.



WARNING: Failure to observe these safety warnings can result in personal injury or death.

- Permit only trained and qualified personnel to install or replace switch components.
- Perform only the procedures described in this quick start and the MX150 documentation. Other services must be performed only by authorized service personnel.
- Before installing the device, read the planning instructions in the MX150 documentation to make sure that the site meets power, environmental, and clearance requirements for the device.
- Before connecting the device to a power source, read the installation instructions in the MX150 documentation.
- The MX150 device weighs approximately 9.4 lb (4.3 kg). Manually installing the device in a rack at a height above 60 in. (152.4 cm) requires two persons; one to lift the device and the second to install the mounting screws. To prevent injury while lifting, keep your back straight and lift with your legs, not your back.
- If the rack has stabilizing devices, install them in the rack before mounting or servicing the device in the rack.
- Before installing or after removing an electrical component, always place it component-side up on an antistatic mat placed on a flat, stable surface or in an antistatic bag.
- Do not work on the device or connect or disconnect cables during electrical storms.
- Before working on equipment that is connected to power lines, remove jewelry, including rings, necklaces, and watches. Metal objects heat up when connected to power and ground and can cause serious burns or become welded to the terminals.

Power Cable Warning (Japanese)

The attached power cable is only for this product. Do not use this cable for another product.

注意

附属の電源コードセットはこの製品専用です。
他の電気機器には使用しないでください。

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Contacting Juniper Networks

For technical support, see:

<http://www.juniper.net/support/requesting-support.html>

