

EX2300-C Switch Quick Start

See the complete EX Series documentation at <http://www.juniper.net/documentation/>.

To mount the Juniper Networks EX2300-C Ethernet switch on a desk, you need:

- (Optional) One cable guard with three number-8 Phillips truss-head screws to secure the cable guard to the switch (separately orderable)
- (Optional) One standard cable lock to secure the switch from theft by connecting the cable to the security slots on the switch (separately orderable)
- Phillips (+) screwdriver, number 2 (not provided)

To connect the switch to earth ground, you need:

- A grounding cable (minimum 14 AWG (2 mm²), minimum 90°C wire), a grounding lug (Panduit LCC10-14BWL or equivalent), a pair of 10-32x0.25-in. screws with #10 split-lock washer, and a pair of #10 flat washers—none provided

To connect power to the switch, you need:

- Power cord with a plug appropriate for your geographical location (provided) and a power cord retainer (provided)

To perform initial configuration of the switch, you need:

- Ethernet cable with an RJ-45 connector attached (provided)
- RJ-45 to DB-9 serial port adapter (provided)
- Management host, such as a laptop or PC, with an Ethernet port (not provided)

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>.



WARNING: Ensure that you understand how to prevent electrostatic discharge (ESD) damage. Attach the ESD grounding strap to your bare wrist, and connect the strap to the ESD point on the chassis.



Part 1: Mount the Switch on a Desk or a Level Surface

You can mount an EX2300-C switch on or under a desk or a level surface, on or under a surface made of ferrous material, on two or four posts of a rack or cabinet, or on a wall. This guide describes the procedure to mount the switch on a desk.

Before mounting the switch, ensure there is adequate clearance for airflow and maintenance.



CAUTION: Do not stack the switches on top of one another or on top of any other component.

1. Remove the switch from the shipping carton and place it on the desk or the level surface.
2. Ensure that the switch rests firmly on the desk or the level surface.
3. (Optional) Attach the cable guard to protect cable connections:
 - Use the truss-head screws to attach the cable guard to the bottom of the chassis.
 - Use the thumbscrews to tighten or loosen the guard to allow you to insert cables.
4. (Optional) Attach the standard cable lock to the security slots on the both sides of the switch:
 - Attach the cable to a desk or a rack and set the lock to unlocked position.
 - Insert the lock into one of the security slot on the chassis and set the lock to the locked position.

Part 2: Connect Power to the Switch

NOTE: We recommend that you connect AC-powered systems to earth ground.

The power cord inlet and earthing terminal are on the rear panel of the switch.

1. Secure the grounding lug over the earthing terminal on the rear panel by using washers and screws.
2. Squeeze the sides of the power cord retainer clip and insert the L-shaped ends of the wire clip into the holes in the brackets above and below the power cord inlet.
3. Insert the coupler end of the power cord into the AC power cord inlet.
4. Push the cord into the slot in the adjustment nut of the power cord retainer. Turn the nut until it is snug against the base of the coupler and the slot in the nut is turned 90° from the top of the switch.
5. If the power source outlet has a power switch, set it to the off (O) position.
6. Insert power cord plug into the power source outlet.
7. If the power source outlet has a power switch, set it to the on (I) position.

Part 3: Perform Initial Configuration

NOTE: To run the EZSetup script, the switch must have the factory-default configuration as the active configuration. If you have configured anything on the switch and want to run EZSetup, you must revert the switch to the factory-default configuration. See the EX Series documentation at <https://www.juniper.net/documentation> for reverting to factory-default configuration.



To connect and configure the switch from the management host:

1. Set the following values on the management host: baud rate—9600; flow control—none; data—8; parity—none; stop bits—1; DCD state—disregard.
2. Connect the console port to the management host by using the Ethernet cable with an RJ-45 connector attached and the RJ-45 to DB-9 serial port adapter.

NOTE: You can also use the mini-USB port to connect the switch to the management host (see the EX Series documentation at www.juniper.net/documentation).

3. At the Junos OS shell prompt root%, type **EZSetup**.
4. (Optional) Enter the hostname.
5. Enter the root password that you want to use for the switch. Reenter the root password when prompted.
6. Enable services such as SSH and Telnet.

NOTE: You will not be able to log in to the switch as the **root** user through Telnet. Root login is allowed only through SSH.

7. Use the Management Options page to select the management scenario:
 - **In-band Management**—Use the automatically created VLAN, **default**, for management. Select this option to configure all data interfaces as members of the default VLAN. Click **Next**. Specify the management IP address and the default gateway.
 - **In-band Management**—Create a new VLAN for management. Select this option to create a management VLAN. Specify the VLAN name, VLAN ID, management IP address, and default gateway for the new VLAN. Select the ports that must be part of this VLAN.
 - **Out-of-band Management**—Configure the management port. Select this option to configure only the management interface. Specify the IP address and default gateway for the management interface.
8. (Optional) Specify the SNMP read community, location, and contact to configure SNMP parameters.
9. (Optional) Specify the system date and time. Select the time zone from the list.
10. The configured parameters are displayed. Enter **yes** to commit the configuration. The configuration is committed as the active configuration for the switch.

You can now log in by using the CLI to continue configuring the switch.

Safety Warnings Summary

This is a summary of safety warnings. For a complete list of warnings, including translations, see the EX Series documentation at <http://www.juniper.net/documentation/>.



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 EX Series documentation. Other services must be performed only by authorized service personnel.

- Before mounting the switch, read the planning instructions in the EX Series documentation to make sure that the site meets power, environmental, and clearance requirements for the switch.
- Before connecting the switch to a power source, read the installation instructions in the EX Series documentation.
- 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 switch 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 power cord provided with the switch is only for this product. Do not use this cable for another product.

注意

付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>.