



# JUNIPER SSR1400 Session Smart Router User Guide

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## JUNIPER SSR1400 Session Smart Router

### Product Information

The SSR1400 is a networking device that comes with the following features

- Four 1 GbE ports
- Four 1/10/25 GbE SFP28 ports
- Four 10 GbE SFP+ ports
- A management port for Mist operations
- 256 GB of memory
- A 512 GB enterprise-grade solid-state drive (SSD) for storage

### Product Usage Instructions

#### Step 1: Begin

##### Meet the SSR1400

The SSR1400 is equipped with various ports and storage options. It includes four 1 GbE ports, four 1/10/25 GbE SFP28 ports, four 10 GbE SFP+ ports, a management port for Mist operations, 256 GB of memory, and a 512 GB enterprise-grade solid-state drive (SSD) for storage.

##### Install the SSR1400

## What's in the Box?

Before installation, make sure you have received all the necessary components included in the box.

## What Else Do I Need?

Prior to installation, ensure that a licensed electrician has properly attached the grounding lug to your grounding cable. Incorrect attachment of the lug can result in damage to the SSR1400.

## Rack It

1. Review the General Safety Guidelines and Warnings.
2. Wrap and fasten one end of the electrostatic discharge (ESD) cable grounding strap around your bare wrist and connect the other end to a site ESD point.
3. Attach the front mounting brackets to the front of the chassis using the provided M4 flat-head screws.
4. Attach the side mounting rails to the chassis by aligning the keyholes on the mounting rails over the shoulder screws on the chassis. Slide the mounting rails into place and secure them with the provided M3 flat-head screws.
5. Lift the SSR1400 chassis, position it in the rack, and align the front mounting bracket holes with the threaded holes in the rack rail. Ensure that the rear of the appliance is supported during this process.
6. While holding the SSR1400 in place, have a second person insert and tighten the rack-mount screws to secure the front mounting brackets to the rack rails. Start by tightening the screws in the two bottom holes, then proceed to tighten the screws in the two top holes.
7. Continue to support the SSR1400 and have the second person slide the rear mounting blades into the channels of the side mounting rails.
8. Secure the rear mounting blades on each side of the chassis to the rack post using rack mounting screws.
9. Check that the front mounting brackets on each side of the rack are aligned with each other.
10. Attach a grounding cable to earth ground and then connect the other end to the SSR1400 grounding point.
11. Dress the grounding cable, ensuring it does not obstruct device components or pose a tripping hazard.

## Power On

Once you have installed the SSR1400 in the rack and properly grounded it, you can proceed to connect it to power.

**Important:** If you intend to connect your SSR1400 to the Mist Cloud, ensure that you connect the Ethernet/transceiver cable to your preferred management port (MGMT or other) before powering on the device. The Ethernet/transceiver cable must provide connectivity to the internet or your Mist Cloud instance.

The SSR1400 supports redundant AC power supplies, which are pre-installed at the factory. It comes with two AC power supplies preinstalled on the rear of the device.

## To power on the SSR1400

1. Wrap and fasten one end of the ESD grounding strap around your bare wrist and connect the other end to one of the provided grounding points.
2. Connect the SSR1400 to a power source.

## Step 1: Begin

## SUMMARY

In this guide, we provide a simple, three-step path, to quickly get the Juniper Networks® SSR1400 appliance up and running on Juniper Mist™ cloud. You'll learn how to install, power on, and configure basic settings for an AC-powered SSR1400 appliance.

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### Meet the SSR1400

The SSR1400 is a 1 U fixed configuration appliance that's ideal for medium data center or campus deployments. Powered by the Juniper® Session Smart Router (SSR) software, the SSR1400 provides secure and resilient WAN connectivity.

The SSR1400 has four 1 GbE ports, four 1/10/25 GbE SFP28 ports, four 10 GbE SFP+ ports, a management port (for Mist operations), 256 GB of memory, and a 512 GB enterprise-grade solid-state drive (SSD) for storage.

## Install the SSR1400

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### What's in the Box?

Along with your SSR1400, you'll find

- RJ-45 to USB A serial cable
- AC power cord (country-specific)
- Rack mount kit
- Two front mounting brackets
- Two side mounting rails
- Two rear mounting blades
- Six M4 flat-head screws (for the front mounting brackets)
- Ten rack screws and cage nuts
- Two M3 flat-head screws

### What Else Do I Need?

- Number 2 or 3 Phillips (+) screwdriver, depending on the size of your rack screws
- A management host such as a laptop or desktop PC
- A grounding cable

**CAUTION:** Ensure that a licensed electrician has attached the appropriate grounding lug to your grounding cable. Using a grounding cable with an incorrectly attached lug can damage the SSR1400.


## Rack It

Here's how to install the SSR1400 in a four-post rack:

1. Review the General Safety Guidelines and Warnings.
2. Wrap and fasten one end of the electrostatic discharge (ESD) cable grounding strap around your bare wrist, and connect the other end to a site ESD point.
3. Attach the front mounting brackets to the front of the chassis using the six M4 flat-head screws.
4. Attach the side mounting rails to the chassis by aligning the keyholes on the mounting rails over the shoulder screws on the chassis and then sliding the mounting rails into place. Use the two M3 flat-head screws to secure the rails.

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## Documents / Resources

	<a href="#">JUNIPER SSR1400 Session Smart Router</a> [pdf] User Guide SSR1400 Session Smart Router, SSR1400, Session Smart Router, Smart Router, Router
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## References

- [📺 Get Started with Free Juniper Training](#)
- [🏢 Mist Systems](#)
- [📖 Session Smart Router \(formerly 128T\) Documentation | Juniper Networks](#)
- [📖 SSR1400 Documentation | Juniper Networks](#)
- [📖 General Safety Guidelines and Warnings | Juniper Networks](#)
- [📖 Configuration Management on the SSR | SSN Docs](#)
- [📖 Upgrading the SSR Networking Platform | SSN Docs](#)
- [📖 SSR 5.4 Release Notes | SSN Docs](#)