

# Compatible Systems Tech Notes: Adding Memory to Your RISC Router 2800i/3400R

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## Introduction

Beginning with software version 4.0.0, the RISC Routers 2800i and 3400R are capable of using 72-pin FastPage mode SIMMs of 2, 4, 8, 16 and 32 MB at no slower than 80ns. EDO SIMMs WILL NOT WORK! We recommend an 8 or 32 MB dual-banked (double-sided) SIMM. \*\*

\*\* IMPORTANT NOTE Although the new Flash code in v.4.0.0 can operate with 4 and 16 MB SIMMs, the bootloader for all the 2800i and 3400Rs shipped prior to the release of v.4.0.0 is unable to properly address them. Only dual-banked (double-sided) SIMMs can be used correctly by the bootloader. This means that if the router has its Flash ROM erased for any reason, it will not boot correctly and therefore, cannot be downloaded.

If you have the 4 or 16 MB SIMMs installed, you will have to remove it and replace it with the original SIMM that came with the router or a dual-banked (double-sided) SIMM of 8 or 32 MB in order to do the download. After download is complete, you can re-install the 4 or 16 MB SIMM.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

# Installation



**Caution:** While working on the router be aware that hazardous voltages may exist in the power supply (even after it has been powered off). Stay clear of it! If unfamiliar with static precautions and working on electronic equipment, get help prior to starting.

Unplug the router from its AC power source. Using a small Phillips-head screwdriver, remove the 7 screws from the sides and rear of the top cover. Slide the cover towards the front of the router about a 1/2 inch and then lift the rear of the cover up and remove. It might be necessary to loosen up the 4 Allen-head screws on the front bezel to allow the cover to slide free. Locate the SIMM module which is located in front of the WAN A(0) port. Spread apart the 2 metal latches securing the SIMM. The module should pivot out towards the power supply. Before inserting the new SIMM, note the orientation notch at the edge of the module facing the front of the router.

Install the new module by inserting it into the slot making sure that it is completely bottomed out in the connector and pivot the module into the latches, away from the power supply. If the latches offer too much resistance, you may need to spread them apart with your fingertips as you push the SIMM into place.

Before reinstalling the cover it is a good idea to power up the router and verify that it starts correctly. If it does, power it down and reinstall the cover.

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## Related Information

- [Cisco Compatible Micro Router Series Compatible Systems Setup Guides](#)
- [Technical Support & Documentation – Cisco Systems](#)

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