

# VIP2-50

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## Description

The VIP2-50 is the newest and fastest second-generation Versatile Interface Processor (VIP2) available on Cisco 7500 series routers that use the Route Switch Processor (RSP), and on Cisco 7000 series routers with the 7000 Series Route Switch Processor (RSP7000) and 7000 Series Chassis Interface (RSP7000CI). The VIP2-50 provides significantly greater packet and program memory space and increased distributed switching performance.

The VIP2-50 uses a single motherboard with up to two port adapters. The VIP2-50 port adapters provide the individual LAN, WAN, or LAN/WAN interface ports. The VIP2-50 is designed to support high-speed port adapters.

The CPU on the VIP2-50 is an R5000 and has an internal operating frequency of 200 MHz. The VIP2-50 supports 4 to 8 MB of SRAM and 32 to 64 MB of DRAM. Any combination of SRAM and DRAM can be used on the VIP2-50 to meet your needs. The VIP2-50 firmware (microcode), which contains card-specific software instructions, resides in a PROM device. A dual in-line memory module (DIMM) contains the DRAM, and a daughter card contains the SRAM.

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**Note** Because the VIP2-50 uses a different motherboard and DRAM and SRAM memory devices than the earlier VIP2 models (for example, VIP2-20), you cannot install the VIP2-50's DRAM and SRAM memory devices on earlier VIP2 models. Further, you cannot use DRAM and SRAM from the earlier VIP2 models on the VIP2-50.

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## Platforms

This feature is supported on these platforms:

- Cisco 7500 series
- Cisco 7000 series routers with the RSP7000 and RSP7000CI

## Configuration Tasks

None

## Configuration Examples

None

## Command Reference

None

## What to Do Next

For more information on the VIP2-50, refer to the *Second-Generation Versatile Interface Processor (VIP2) Installation, Configuration, and Maintenance* publication.