



CHAPTER 9

Configuring a Supervisor Engine 32

This chapter describes how to configure a Supervisor Engine 32 in a Cisco 7600 series router. This chapter contains these sections:

- [Flash Memory on a Supervisor Engine 32, page 9-1](#)
- [Supervisor Engine 32 Ports, page 9-2](#)



Note

- For complete syntax and usage information for the commands used in this chapter, refer to the Cisco 7600 Series Routers Command References at this URL:
http://www.cisco.com/en/US/products/hw/routers/ps368/prod_command_reference_list.html
- With Cisco IOS software, this is the minimum required Supervisor Engine 32 memory:
 - 512 MB DRAM on the Supervisor Engine 32
 - 512 MB DRAM on the MSFC2A
- The Supervisor Engine 32 is supported in the WS-6503 and WS-6503-E (3-slot) chassis, but not the Cisco 7603 chassis.
- With a 4-slot chassis, install the Supervisor Engine 32 in either slot 1 or 2.
- With a 6-slot or a 9-slot chassis, install the Supervisor Engine 32 in either slot 5 or 6.
- With a 13-slot chassis, install the Supervisor Engine 32 in either slot 7 or 8.
- The Supervisor Engine 32 has a PFC3B and operates in PFC3B mode.
- The Supervisor Engine 32 does not support switch fabric connectivity.
- For information about the hardware and software features supported by the Supervisor Engine 32, see the *Release Notes for Cisco IOS Release 12.2SX on the Supervisor Engine 720, Supervisor Engine 32, and Supervisor Engine 2* at this URL:
http://www.cisco.com/en/US/docs/ios/12_2sr/release/notes/122SRrn.html#wp4769974

Flash Memory on a Supervisor Engine 32

The Supervisor Engine 32 has:

- **disk0:**—One external CompactFlash Type II slot (supports CompactFlash Type II Flash PC cards)
- **sup-bootdisk:**—256 MB internal CompactFlash Flash memory (from ROMMON, it is **bootdisk:**)

Both Sup32 modules require a minimum of 128-MB bootflash to run Release 12.2SRB and later releases. A CompactFlash (CF) adapter with 512-MB bootflash is available for Sup32 modules in Release 12.2(18)SXF and later releases. Use the Cisco part number CF-ADAPTER= for ordering.

Supervisor Engine 32 Ports

The console port for the Supervisor Engine 32 port is an EIA/TIA-232 (RS-232) port. The Supervisor Engine 32 also has two Universal Serial Bus (USB) 2.0 ports that are not currently enabled.

WS-SUP32-GE-3B ports 1 through 8 have small form-factor pluggable (SFP) connectors and port 9 is a 10/100/1000 Mbps RJ-45 port.

WS-SUP32-10GE ports 1 and 2 are 10 Gigabit Ethernet ports that accept XENPAKs and port 3 is a 10/100/1000 Mbps RJ-45 port.