

## Cisco Catalyst 6500 Supervisor Engine 32 and Cisco Catalyst 6500 Series Supervisor Engine 720 DRAM and Bootflash Update

PB383616

Cisco® is increasing the default DRAM for the Cisco Catalyst® 6500 Supervisor Engine 32 and the default supervisor bootflash memory for the Cisco Catalyst 6500 Series Supervisor Engine 720 to facilitate software upgrades to newer releases, which come with a set of rich features, including Cisco IOS® Software Modularity.

The Cisco Catalyst 6500 Series with Cisco IOS Software Modularity boosts operational efficiency and minimizes downtime through evolutionary software infrastructure advancements. By enabling modular Cisco IOS Software subsystems to run in independent processes, this innovation:

- Minimizes unplanned downtime through self-healing processes
- Simplifies software changes through subsystem In-Service Software Upgrades (ISSU)
- Enables process-level, automated policy control by integrating Embedded Event Manager (EEM)

### Announcement Summary

- Cisco Catalyst 6500 Supervisor Engine 32 default DRAM change (both supervisor and MSFC2A)
- Cisco Catalyst 6500 Series Supervisor Engine 720 default supervisor bootflash change (starting with Cisco IOS Software Release 12.2(18)SXE)

### Cisco Catalyst 6500 Supervisor Engine 32

The default memory (DRAM) on the Cisco Catalyst 6500 Supervisor Engine 32 changed for orders placed starting May 5, 2006. Table 1 gives information about the changes.

**Table 1.** Default Memory for Cisco Catalyst 6500 Supervisor Engine 32

Product Number	Supervisor DRAM Before	Supervisor DRAM Starting May 5, 2006	MSFC2A DRAM Before	MSFC2A DRAM Starting May 5, 2006
WS-SUP32-GE-3B	256 MB	512 MB	256 MB	512 MB
WS-SUP32-GE-3B=	256 MB	512 MB	256 MB	512 MB
WS-SUP32-10GE-3B	256 MB	512 MB	256 MB	512 MB
WS-SUP32-10GE-3B=	256 MB	512 MB	256 MB	512 MB

### Cisco Catalyst 6500 Series Supervisor Engine 720

The default bootflash memory (sup-bootflash) on the Cisco Catalyst 6500 Series Supervisor Engine 720 changed starting with Cisco IOS Software Release 12.2(18)SXE5.\* Table 2 gives information about the changes.

**Table 2.** Default Memory for Cisco Catalyst 6500 Series Supervisor Engine 720

Product Number	Supervisor Bootflash Before	Supervisor Bootflash Starting May 5, 2006
WS-SUP720	64 MB	512 MB
WS-SUP720=	64 MB	512 MB
WS-SUP720-3B	64 MB	512 MB
WS-SUP720-3B=	64 MB	512 MB
WS-SUP720-3BXL	64 MB	512 MB
WS-SUP720-3BXL=	64 MB	512 MB

The Cisco.com configuration tool allows you to choose the former default flash of 64 MB if a customer chooses to run an older software release. This change is available as of June 2006. This change does not affect the bootflash for the Route Processor (RP).

### Upgrading Internal Supervisor Bootflash to Larger Size with Compact Flash for Existing Cisco Catalyst 6500 Series Supervisor Engine 720

Use the compact flash memory upgrade kit (WS-CF-UPG=). Table 3 shows upgrade information.

**Table 3.** Upgrading to a Larger Boot Flash Information

Product ID	WS-CF-UPG=
Availability	Starting February 2006
Minimum Cisco IOS Software Release	12.2(18)SXE5 and later; 12.2(18)SXF and later
Supervisor Read Only Memory Monitor (ROMMON)	8.4(2) or later (see note)
Number of Units of Upgrade Kit Required	1 per Cisco Catalyst 6500 Series Supervisor Engine 720 in the chassis
Upgrade Kit Contents	1 unit of compact flash adapter and 1 unit of 512-MB compact flash, installation guide
Field Upgradable?	Yes

**Note:** To check the current supervisor ROMMON version, issue the command *remote command switch show version | include strap*. The ROMMON upgrade procedure can be found at [http://www.cisco.com/univercd/cc/td/doc/product/lan/cat6000/relnotes/ol\\_5631.htm - wp146316](http://www.cisco.com/univercd/cc/td/doc/product/lan/cat6000/relnotes/ol_5631.htm - wp146316).

Note that a detailed installation guide is provided with the upgrade kit.

WS-CF-UPG= provides the bootflash upgrade from 64-MB bootflash to 512-MB bootflash.

### Downgrading Internal Supervisor Bootflash (Compact Flash, 512 MB) to Internal Supervisor Bootflash (64 MB) for Cisco Catalyst 6500 Series Supervisor Engine 720

Use the bootflash kit BF-S720-64MB-SP=.

Table 4 shows upgrade information.

**Table 4.** Downgrading to a 64MB Boot Flash Information

Product ID	BF-S720-64MB-SP=
Availability	Starting November 2006
Minimum Cisco IOS Software Release	12.2(18)SXB or later
Number of Units of Upgrade Kit Required	1 per Cisco Catalyst 6500 Series Supervisor Engine 720 in the chassis
Upgrade Kit Contents	1 unit of 64-MB flash, installation guide
Field Upgradable?	Yes

Note that a detailed installation guide is provided with the bootflash kit.

BF-S720-64MB-SP= provides the bootflash downgrade from 512-MB compact flash to 64-MB bootflash for Cisco Catalyst 6500 Series Supervisor Engine 720 units purchased after May 2006.

### Upgrading DRAM for Existing Cisco Catalyst 6500 Supervisor Engine 32 from 256 MB to 512 MB

Table 5 shows product IDs to upgrade DRAM from 256 MB to 512 MB.

**Table 5.** Product IDs for Upgrading

	Product ID	Availability
<b>Supervisor DRAM</b>	MEM-XCEF720-512MB=	Starting July 2005
<b>MSFC2A DRAM</b>	MEM-MSFC2-512MB=	Starting July 2005



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