

Cisco IOS™ Software Release 12.0T

Upgrade Paths and Packaging Simplification

Introduction

Cisco IOS™ software release 12.0T is an Early Deployment release delivering the latest Cisco IOS functionality and platform support. Cisco IOS release 12.0T, unlike the parallel IOS 12.0 release, will integrate new capabilities with each maintenance release.

This T (Technology) release will reach End of Engineering when the next Cisco IOS Major Release becomes available. Ongoing support for the functionality introduced in release 12.0T will be carried forward into the next release.

The packaging structure has divided Feature Sets into three (3) solution suites:

1. A basic set of functionality for IP and Routing, Connectivity and Scalability, Enterprise and Enterprise/APPN feature sets
2. Key value add "Plus" feature sets with one (1) or more features such as NAT, RMON, ISL, Lane, modem management, or V.120, depending on platform
3. Solution specific feature sets such as encryption(40-bit or 56-bit), LANFRAD, and ISDN Feature set

The Four (4) basic packages are:

1. IP and Routing
2. Connectivity and Scalability
3. Management
4. Switching

Benefits

The modifications of Cisco IOS Software Feature Sets provide important benefits to customers in terms of delivering new features at attractive price points. In the past, the wide solution choices created a challenge when proposing the optimal solution. The repackaging and feature set offerings that commenced in 11.2 and have been further enhanced in 12.0T, will minimize this challenge. Because customers, sales and support rely heavily on consistency to navigate the selection process, the rule to remain consistent between both maintenance and major releases in terms of the basic Feature Set (IP, Desktop, Enterprise) content is in tact.

In addition, we have retained the rule that feature sets with more features are supersets of the ones with lessor features. For example, Enterprise includes all of Desktop features, Desktop Plus includes all of Desktop, etc. Exceptions to this rule are the application specific features sets available on some platforms.

For more information regarding Cisco IOS Software Release 12.0T, refer to the following:

- Product Bulletin #815
Cisco IOS Software Release 12.0T New Features Bulletin
- Product Bulletin #704

Cisco IOS Software Release 12.0T(1) Ordering Procedures and Hardware Platform Support

- Product Bulletin #705

Cisco IOS Software Feature Matrices 10.3 -- 12.0T

- Product Bulletin #523

RFCs and Other Standards Supported in Cisco IOS Software Release 12.0T(1)

- Cisco IOS Software Release 12.0T Release Notes

Pricing

For specific feature set pricing details refer to the Pricing Agent (internal Cisco access only) or the Marketplace by accessing Cisco Connection On-line (CCO).

Memory Requirements

For specific feature set memory requirements, please reference the “Cisco Software Release 12.0T Feature Sets and Minimum Memory Requirements By Platform” table provided later in this document. For existing customers this minimum memory upgrade is included in the feature set upgrade at no additional charge for Cisco 2500 series. To verify the correct amount of RAM and Flash needed for the desired feature set Table 3 later in this document should be referenced. For pricing details on memory, please refer to the Pricing Agent (internal Cisco access only) or the Marketplace (customer accessible).

12.0T Feature Sets

The Feature Sets in Cisco IOS Software Release 12.0T are packaged to minimize complexity and more closely align to the right solution for the job. The following tables give the new Feature Set structure per platform.

Table A: Feature Sets Supported on 12.0T

Platforms	1000	1005	1600	2500	2600	3620	3640	4000	4500	5200	5300	7200	7500	ubr7200
Feature_Set														
DESKTOP	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
DESKTOP PLUS	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
DESKTOP/IBM	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
DESKTOP/IBM 40	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
DESKTOP/IBM IPSEC 56	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN PLUS IPSEC 56	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No	No
ENTERPRISE	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No
ENTERPRISE 40	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE IPSEC 56	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE PLUS	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No
ENTERPRISE PLUS 40	No	No	No	No	Yes	No	No	Yes	Yes	No	Yes	No	No	No
ENTERPRISE PLUS 40 SERIES	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No
ENTERPRISE PLUS 56	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No
ENTERPRISE PLUS IPSEC 56	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	No	No
ENTERPRISE/APPN	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN 40	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN IPSEC 56	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN PLUS	No	No	No	No	Yes	Yes	No	Yes	No	No	No	No	No	No
ENTERPRISE/APPN PLUS 40	No	No	No	No	No	Yes	No	Yes	Yes	No	No	No	No	No

Platforms	1000	1005	1600	2500	2600	3620	3640	4000	4500	5200	5300	7200	7500	ubr7200
ENTERPRISE/APPN PLUS 56	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
ENTERPRISE/APPN/DBCONN	No	No	No	No	No	No	No	No	Yes	No	No	Yes	Yes	No
ENTERPRISE/APPN/DBCONN 40	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN/DBCONN IPSEC 56	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ENTERPRISE/APPN/DBCONN 40	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
ENTERPRISE/FW PLUS 56	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
ENTERPRISE/FW PLUS IPSEC 56	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
FIXED FRAD-SERIAL	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
FIXED LAN FRAD/EIGRP	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
FIXED LAN FRAD/OSPF	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
FRAD	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
IOS ENTERPRISE/APPN PLUS	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No
IOS ENTERPRISE/APPN PLUS 40	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No
IP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
IP 40	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
IP IPSEC 56	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
IP PLUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
IP PLUS 40	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	No	Yes	No	No	No
IP PLUS 40 SERIES	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No
IP PLUS 56	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
IP PLUS IPSEC 56	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
IP/ASYNC	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
IP/FW	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
IP/FW PLUS IPSEC 56	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
IP/IBM/APPN	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
IP/IPX	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/ASYNC	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/AT	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/AT PLUS	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/AT PLUS 40	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/AT PLUS 56	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
IP/IPX/AT/DEC	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
IP/IPX/AT/DEC PLUS	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	No
IP/IPX/AT/DEC/FW PLUS	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
IP/OSPF/PIM	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
ISDN	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
LAN FRAD	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
LAN FRAD/OSPF	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
NETWORK LAYER 3 SWITCHING	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No

Platforms	1000	1005	1600	2500	2600	3620	3640	4000	4500	5200	5300	7200	7500	ubr7200
REMOTE ACCESS SERVER	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
REMOTE ACCESS SERVER (RAS)	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
UBR7246 MCNS TWO-WAY	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes

How to Upgrade

Cisco IOS software allows software upgrades that cross multiple feature sets and release versions. Upgrading from one feature set to another with greater functionality, regardless of release version, may require the customer to order multiple Feature Licenses.

The following is an example:

The customer has a Cisco 2500 router, running the Cisco IOS Release 11.1 IP Routing (basic) feature set. The customer wants to upgrade to the Cisco IOS Release 12.0T IP/IPX/AT/DEC Plus. This order crosses two feature sets: one to get from IP to IP/IPX/AT/DEC, and one to get to IP/IPX/AT/DEC Plus (basic to plus). If the customer is a SMARTnet contract holder, and they wish to obtain their software electronically, they would order:

- FL25-C-B=

This feature license which provides the entitlements required for the benefit of using the enhanced functionality between IP and IP/IPX/AT/DEC.

- FL25-P=

This is a feature license which provides the entitlements required for the benefit of using the enhanced functionality between a standard IP/IPX/AT/DEC feature set and the “Plus” version IP/IPX/AT/DEC PLUS.

If a customer does not hold a SMARTnet contract, then they would order the following:

- SW25BP-11.3xx=

Software on media.

- FL25-C-B=

This is a feature license, which provides the entitlements required for the benefit of using the enhanced functionality between IP and IP/IPX/AT/DEC.

- FL25-P=

This is a feature license which provides the entitlements required for the benefit of using the enhanced functionality between a standard IP/IPX/AT/DEC feature set and the “Plus” version; IP/IPX/AT/DEC PLUS.

Upgrade Guidelines for SMARTnet Customers

Please note in the SMARTnet Contracts, the term “**update**” refers to implementing the new **version** of Cisco IOS Software, and the term “**upgrade**” refers to **migrating to a more robust Feature Set**. Because SMARTnet plays such a direct role in the terms and conditions under which customers can upgrade, the following section provides a general description of SMARTnet.

SMARTnet

SMARTnet continues to be a service offering for software maintenance, advance hardware replacement, and technical support required for self-maintenance. SMARTnet requires that each piece of Cisco equipment at the customer's locations must be placed under contract. More specifically this service includes the following:

- Telephone calls back within one hour from 6:00 a.m. to 6:00 p.m. Pacific Time for hardware, configuration and software problems, by the Cisco Technical Assistance Center (TAC).
- Priority 1 and 2 telephone support 24 hours a day, 7 days a week
- Electronic mail inquires and responses
- Access to the Cisco Connection On-line (CCO) system

- Major release software updates via CCO or media upon request
- A customer can electronically update a feature set covered under SMARTnet from a Cisco IOS software feature set in one release to the **same** Cisco IOS software feature set in a newer release (for example, from 11.1 IP to 11.2 IP). However, if additional memory is required for the new release SMARTnet does not cover this cost.

The customer can choose to implement a less feature rich Cisco IOS software feature set, but may not implement a more robust Cisco IOS software feature set under any circumstance without going through the upgrade process. The exception to this rule is when features are removed from an Cisco IOS software feature set, then SMARTnet covers implementing the least expensive, more robust Cisco IOS software feature set which contains the required features.

- Software maintenance release updates via CCO or media upon request
- One set of new manuals with each software update or CD documentation for each under contract upon request
- Guaranteed next-business-day delivery of replacement parts, provided the request is received prior to 3:00 p.m. Pacific time

SMARTnet customers may upgrade to a feature set with increased functionality through the following process:

1. Identify the platform and the current feature set being deployed. Look up the platform in the following tables.
2. Identify the current release customer is running and choose appropriate chart.
Find the intersection of the “From” release and feature set and the “To” release and feature set. Make a note of the product codes required. These product codes are Feature Licenses, which grant authorization for use and must be ordered PRIOR to downloading the software from CCO.
3. Proceed to the Cisco Marketplace and into the Internetworking Product Center.

Initiate an on-line order for the Feature License product codes identified from the upgrade tables.

1. Once the order is complete and accepted by the system, the customer may proceed to the Software Products section of CCO:
 - Cisco IOS Software
 - Identify the Cisco IOS Release # (for example: 11.1, 11.2, 11.3, 12.0 or 12.0T)

Proceed to transact a software download for the desired feature set.

Upgrade Path Tables for SMARTnet Customers

- Table 1 Cisco IOS 1003/1004 Series Upgrade Path from 11.1 to 11.2
- Table 2 Cisco IOS 1003/1004 Series Upgrade Path from 11.1 to 11.3
- Table 3 Cisco IOS 1005 Series Upgrade Path from 11.1 to 11.2
- Table 4 Cisco IOS 1005 Series Upgrade Path from 11.1 to 11.3
- Table 5 Cisco IOS 1600 Series Upgrade Path from 11.1 to 11.2
- Table 6 Cisco IOS 1600 Series Upgrade Path from 11.1 to 11.3
- Table 7 Cisco IOS 2500 Series Upgrade Path from 11.1 to 11.2
- Table 8 Cisco IOS 2500 Series Upgrade Path from 11.1 to 11.3
- Table 9 Cisco IOS 3600 Series Upgrade Path from 11.1 to 11.2
- Table 10 Cisco IOS 3600 Series Upgrade Path from 11.1 to 11.3
- Table 11 Cisco IOS 4000 (including 4500) Series Upgrade Path from 11.1 to 11.2
- Table 12 Cisco IOS 4000 (including 4500) Series Upgrade Path from 11.1 to 11.3
- Table 13 Cisco IOS AS5200 Series Upgrade Path from 11.1 to 11.2
- Table 14 Cisco IOS AS5200 Series Upgrade Path from 11.1 to 11.3
- Table 15 Cisco IOS 7200 Series Upgrade Path from 11.1 to 11.2
- Table 16 Cisco IOS 7200 Series Upgrade Path from 11.1 to 11.3
- Table 17 Cisco IOS 7500 Series Upgrade Path from 11.1 to 11.2
- Table 18 Cisco IOS 7500 Series Upgrade Path from 11.1 to 11.3

Upgrade Guidelines for Customers without a SMARTnet Contract

Customers without a SMARTnet Contract desiring to upgrade their Cisco IOS software would follow the same steps outlined above for #1 and #2. Then proceed to place an order through Customer Service.

Table 19 Cisco IOS 1003/1004 Series Upgrade Path from 11.1 to 11.2

Table 20 Cisco IOS 1003/1004 Series Upgrade Path from 11.1 to 11.3

Table 21 Cisco IOS 1005 Series Upgrade Path from 11.1 to 11.2

Table 22 Cisco IOS 1005 Series Upgrade Path from 11.1 to 11.3

Table 23 Cisco IOS 1600 Series Upgrade Path from 11.1 to 11.2

Table 24 Cisco IOS 1600 Series Upgrade Path from 11.1 to 11.3

Table 25 Cisco IOS 2500 Series Upgrade Path from 11.1 to 11.2

Table 26 Cisco IOS 2500 Series Upgrade Path from 11.1 to 11.3

Table 27 Cisco IOS 3600 Series Upgrade Path from 11.1 to 11.2

Table 28 Cisco IOS 3600 Series Upgrade Path from 11.1 to 11.3

Table 29 Cisco IOS 4000 (including 4500) Series Upgrade Path from 11.1 to 11.2

Table 30 Cisco IOS 4000 (including 4500) Series Upgrade Path from 11.1 to 11.3

Table 31 Cisco IOS AS5200 Series Upgrade Path from 11.1 to 11.2

Table 32 Cisco IOS AS5200 Series Upgrade Path from 11.1 to 11.3

Table 33 Cisco IOS 7200 Series Upgrade Path from 11.1 to 11.2

Table 34 Cisco IOS 7200 Series Upgrade Path from 11.1 to 11.3

Table 35 Cisco IOS 7500 Series Upgrade Path from 11.1 to 11.2

Table 36 Cisco IOS 7500 Series Upgrade Path from 11.1 to 11.3

Note: Apply the same methodology as displayed in the above tables for upgrades to feature sets not specifically identified.

Upgrade Guidelines for Orders requiring 56-bit Encryption for Destination Outside of the US:

(For a more comprehensive explanation of ordering encryption software, please refer to Product Bulletin #704, Cisco IOS Software Release 12.0T(1) Ordering Procedures and Platform Hardware Support.)

For Software Upgrades, which include 56-bit encryption, the following applies -- regardless of whether the customer has access to CCO for software updates:

Step 1. Select the required feature set for the platform.

Step 2. Select the appropriate feature license to add the 56-bit encryption package on that platform. Since 56-bit encryption is new functionality, a feature license must be ordered to entitle this functionality. The software and 56-bit encryption feature license must be designated as a separate ship set from the rest of the order. If in addition to encryption, other new functionality is required, then select the feature license(s) required.

Do not use the special Export Upgrade part numbers, as they are only for use on new system orders.

For example, if you had a Cisco 7500 series router and wanted the Enterprise/Encryption 56 feature set, from the price list you would order:

- Encryption 56 feature license -- FR75-56=
- Enterprise/Encryption 56 -- SW75AT-11.3.1=

The order will be held while Export Control and Regulatory Affairs (ECRA) determines whether the end user is covered under an existing distribution agreement with the U.S. Department of Commerce, or if they will require a new license. If a new license is required, U.S. Government export license processing can take from four to six weeks, and may result in denial of the order.

Step 3. Order any other products, as required, including any special feature licenses.

In this example, if the customer currently has the Desktop/IBM feature set, they will also need to order:

- Desktop to Enterprise feature license -- FR75-BS-A=

SMARTnet users will have electronic access to updates of their Cisco IOS Software Release feature sets including 56-bit encryption only after they have received an initial media-based upgrade to the release/feature set. Individual end-users will need to go through an on-line screening process before they are granted access to the software on-line.

For questions on the special controls and procedures associated with 56-bit encryption, contact ECRA at: export@cisco.com

Minimum Memory Requirements

One of the impacts of taking advantage of new features offered in each successive Cisco IOS software release is that often-additional memory is required. Below is a table of the minimum memory requirements for 12.0T compared to 11.2(10) and 11.2(10)P by Feature Set per platform.

Table C: Cisco IOS Software Release 12.0T Feature Sets and Minimum Memory Requirements (MB) per Platform.

Image Name	Feature Set	Plat.	11.2		11.2P		11.3		12.0(1)		12 .0(1)T		Runs From
			Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	
c1000-bnsy40-mz	IP Plus 40	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bnsy40-mz	IP/IPX/AT Plus 40	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bnsy56-mz	IP Plus 56	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bnsy56-mz	IP/IPX/AT Plus 56	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bnsy-mz	IP Plus	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bnsy-mz	IP/IPX/AT Plus	1000	4	8	4	8	4	8	4	8	4	8	RAM
c1000-bny-mz	IP/IPX/AT	1000	2	8	2	8	2	8	2	8	--	--	RAM
c1000-ny-mz	IP/IPX	1000	2	8	2	8	2	8	4	8	4	8	RAM
c1000-y3-mz	IP/X.31	1000	--	--	--	--	2	8	--	--	--	--	RAM
c1000-y-mz	IP	1000	2	8	2	8	2	8	2	8	2	8	RAM
c1005-bnsy40-mz	IP Plus 40	1005	4	8	4	8	4	8	4	8	4	8	RAM
c1005-bnsy40-mz	IP/IPX/AT Plus 40	1005	4	8	4	8	4	8	4	8	--	--	RAM
c1005-bnsy56-m	IP Plus 56	1005	4	8	4	8	4	8	4	8	4	8	RAM
c1005-bnsy56-m	IP/IPX/AT Plus 56	1005	4	8	4	8	4	8	4	8	4	8	RAM
c1005-bnsy-mz	IP Plus	1005	4	8	4	8	4	8	4	8	4	8	RAM
c1005-bnsy-mz	IP/IPX/AT Plus	1005	4	8	4	8	4	8	4	8	4	8	RAM
c1005-bny-mz	IP/IPX/AT	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1005-nqy-mz	IP/IPX/ASYNC	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1005-ny-mz	IP/IPX	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1005-qy-mz	IP/ASYNC	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1005-y2-mz	IP/OSPF/PIM	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1005-y-mz	IP	1005	2	8	2	8	2	8	2	8	2	8	RAM
c1600-bnr2sy40-l	IP/IPX/AT/IBM Plus 40	1600	--	--	--	--	8	6	--	--	--	--	FLASH
c1600-bnr2sy56-l	IP/IPX/AT/IBM Plus 56	1600	--	--	--	--	8	6	--	--	--	--	FLASH
c1600-bnr2sy-l	IP/IPX/AT/IBM Plus	1600	--	--	--	--	8	6	--	--	--	--	FLASH
c1600-bnr2y-l	IP/IPX/AT/IBM	1600	--	--	--	--	8	4	--	--	--	--	FLASH
c1600-nsy-l	IP/IPX Plus	1600	--	--	6	4	6	4	--	--	--	--	FLASH
c1600-ny-l	IP/IPX	1600	--	--	4	2	6	2	--	--	--	--	FLASH
c1600-sy40-l	IP Plus 40	1600	--	--	6	4	6	4	--	--	--	--	FLASH

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
c1600-sy56-l	IP Plus 56	1600	--	--	6	4	6	4	--	--	--	--	FLASH
c1600-sy-l	IP Plus	1600	--	--	6	4	6	4	--	--	--	--	FLASH
c1600-y-l	IP	1600	--	--	4	2	4	2	--	--	--	--	FLASH

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c2500-ai3r4-l	IP/IBM/APPN	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-ajs40-l	Enterprise/APPN Plus 40	25XX, 3011	16	8	16	8	16	8	--	--	--	--	FLASH
c2500-ajs56i-l	ENTERPRISE/APPN PLUS IPSEC 56	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-ajs56-l	Enterprise/APPN Plus 56	25XX, 3011	16	8	16	8	16	8	--	--	--	--	FLASH
c2500-ajs-l	Enterprise/APPN Plus	24XX, 3011	16	8	16	8	16	8	--	--	--	--	FLASH
c2500-c-l	REMOTE ACCESS SERVER (RAS)	2500	--	--	--	--	--	--	8	6	8	6	FLASH
c2500-c-l	CFRAD	25XX	8	4	8	4	8	4	--	--	--	--	FLASH
c2500-c-l	CFRAD	AS5100	8	6	8	6	8	6	--	--	--	--	FLASH
c2500-d-l	IP/IPX/AT/DEC	25XX, 3011	8	4	8	4	8	4	8	4	8	4	FLASH
c2500-d-l	IP/IPX/AT/DEC	AS5100, AP	8	4	8	4	8	4	8	4	--	--	FLASH
c2500-dos-l	IP/IPX/AT/DEC/FW PLUS	2500	--	--	--	--	--	--	16	4	16	4	FLASH
c2500-ds-l	IP/IPX/AT/DEC PLUS	AP, 3011	8	4	8	4	8	6	16	6	16	6	FLASH
c2500-f2in-l	LAN FRAD/OSPF (or IP/IPX/FRAD)	2500	--	--	--	--	--	--	8	4	8	4	FLASH
c2500-f2in-l	LAN FRAD/OSPF (or IP/IPX/FRAD)	2501/2	--	--	--	--	8	4	8	4	8	4	FLASH
c2500-f2in-l	LAN FRAD/OSPF (or IP/IPX/FRAD)	2520-23	--	--	--	--	8	4	8	4	8	4	FLASH
c2500-fin-l	LAN FRAD	2500	--	--	--	--	--	--	8	4	8	4	FLASH
c2500-fin-l	IP/IPX FRAD	2501/2	4	4	4	4	8	4	--	--	--	--	FLASH
c2500-fin-l	IP/IPX FRAD	2520-23	4	4	4	4	8	4	--	--	--	--	FLASH
c2500-f-l	FRAD	2501/2	4	4	4	4	8	4	--	--	--	--	FLASH
c2500-f-l	FRAD	2501/2CF	4	4	4	4	8	4	8	4	8	4	FLASH
c2500-f-l	FRAD	2522-2523	4	4	4	4	8	4	8	4	--	--	FLASH
c2500-g-l	ISDN	25XX	4	4	8	4	8	4	8	4	8	4	FLASH
c2500-i-l	IP	25XX, AP, 3011	4	4	8	4	8	4	8	6	8	6	FLASH
c2500-i-l	IP	AS5100	8	4	8	6	8	6	--	--	--	--	FLASH
c2500-io-l	IP/FW	2500	--	--	--	--	--	--	8	4	8	4	FLASH
c2500-ios56i-l	IP/FW PLUS IPSEC 56	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-is40-l	IP Plus 40	25XX, AP, 3011	8	6	8	4	8	4	8	4	8	4	FLASH
c2500-is56i-l	IP PLUS IPSEC 56	2500	--	--	--	--	--	--	16	4	16	4	FLASH
c2500-is56-l	IP Plus 56	25XX, AP, 3011	8	4	8	4	8	4	8	4	8	4	FLASH
c2500-is-l	IP Plus	25XX, AP, 3011	8	4	8	4	8	4	8	4	8	4	FLASH

Image Name	Feature Set	Plat.	11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
			Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c2500-j-l	Enterprise	3011	8	4	8	8	16	8	--	--	--	--	FLASH
c2500-j-l	Enterprise	3204	8	6	8	6	16	6	--	--	--	--	FLASH
c2500-j-l	Enterprise	3204	8	16	8	16	16	16	--	--	--	--	FLASH
c2500-j-l	Enterprise	310X	8	6	8	6	16	6	--	--	--	--	FLASH
c2500-j-l	Enterprise	310X	8	6	8	16	16	16	--	--	--	--	FLASH
c2500-j-l	Enterprise	AP	8	4	8	6	16	6	--	--	--	--	FLASH
c2500-jos56i-l	ENTERPRISE/FW PLUS IPSEC 56	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-jos56-l	ENTERPRISE/FW PLUS 56	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-js40-l	Enterprise Plus 40	3011	8	6	8	8	16	8	16	8	--	--	FLASH
c2500-js40-l	Enterprise Plus 40	25XX, AP	8	6	8	6	16	6	16	8	--	--	FLASH
c2500-js56i-l	ENTERPRISE PLUS IPSEC 56	2500	--	--	--	--	--	--	16	8	16	8	FLASH
c2500-js56-l	Enterprise Plus 56	3011	8	4	8	8	16	8	16	8	16	8	FLASH
c2500-js56-l	Enterprise Plus 56	25XX, AP	8	6	8	6	16	6	16	8	--	--	FLASH
c2500-js-l	Enterprise Plus	3011	8	16	8	8	16	8	16	8	16	8	FLASH
c2500-js-l	Enterprise Plus	25XX, AP	8	6	8	6	16	6	16	8	--	--	FLASH
c2500-p-l	Service Provider	25XX	--	--	8	4	8	4	--	--	--	--	FLASH
c25fx-f2in-l	FIXED LAN FRAD/OSPF	25FX	--	--	--	--	--	--	8	4	8	4	FLASH
c25fx-f2in-l	IP/IPX/FRAD	25FX	--	--	4	4	8	4	--	--	--	--	FLASH
c25fx-fin-l	FIXED LAN FRAD/EIGRP	25FX	--	--	--	--	--	--	8	4	8	4	FLASH
c25fx-fin-l	IP/IPX/FRAD	25FX	--	--	4	4	8	4	--	--	--	--	FLASH
c25fx-f-l	FIXED FRAD-SERIAL	25FX	--	--	--	--	--	--	8	4	8	4	FLASH
c25fx-f-l	FRAD	25FX	--	--	4	4	8	4	--	--	--	--	FLASH

Image Name	Feature Set	Plat.	11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
			Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c2600-ajs56i-mz	ENTERPRISE/APPN PLUS IPSEC 56	2600	--	--	--	--	--	--	8	32	8	32	RAM
c2600-ajs56-mz	ENTERPRISE/APPN PLUS 56	2600	--	--	--	--	--	--	8	32	8	32	RAM
c2600-ajs-mz	ENTERPRISE/APPN PLUS	2600	--	--	--	--	--	--	8	32	8	32	RAM
c2600-c-mz	REMOTE ACCESS SERVER	2600	--	--	--	--	--	--	4	16	4	16	RAM
c2600-d-mz	IP/IPX/AT/DEC	2600	--	--	--	--	--	--	4	16	4	16	RAM
c2600-i-mz	IP	2600	--	--	--	--	--	--	4	16	4	16	RAM
c2600-is40-mz	IP PLUS 40	2600	--	--	--	--	--	--	8	24	8	24	RAM
c2600-is56i-mz	IP PLUS IPSEC 56	2600	--	--	--	--	--	--	8	24	8	24	RAM
c2600-is56-mz	IP PLUS 56	2600	--	--	--	--	--	--	8	24	8	24	RAM
c2600-is-mz	IP PLUS	2600	--	--	--	--	--	--	8	20	8	20	RAM
c2600-js40-mz	ENTERPRISE PLUS 40	2600	--	--	--	--	--	--	8	24	8	24	RAM
c2600-js56i-mz	ENTERPRISE PLUS IPSEC 56	2600	--	--	--	--	--	--	8	32	8	32	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
c2600-js56-mz	ENTERPRISE PLUS 56	2600	--	--	--	--	--	--	8	24	8	24	RAM
c2600-js-mz	ENTERPRISE PLUS	2600	--	--	--	--	--	--	8	24	8	24	RAM
c3620-ajs40-mz	Enterprise/APPN Plus 40	3620	--	--	8	32	8	32	8	48	8	48	RAM
c3620-ajs56i-mz	ENTERPRISE/APPN PLUS IPSEC 56	3620	--	--	--	--	--	--	8	48	8	48	RAM
c3620-ajs56-mz	Enterprise/APPN Plus 56	3620	--	--	8	32	8	32	--	--	--	--	RAM
c3620-ajs-mz	Enterprise/APPN Plus	3620	--	--	8	32	8	32	8	48	8	48	RAM
c3620-d-mz	IP/IPX/AT/DEC	3620	--	--	4	24	4	24	8	24	8	24	RAM
c3620-ds-mz	IP/IPX/AT/DEC Plus	3620	--	--	4	24	8	24	8	32	--	--	RAM
c3620-i-mz	IP	3620	--	--	4	16	4	16	4	24	4	24	RAM
c3620-is40-mz	IP Plus 40	3620	--	--	4	16	8	24	8	32	8	32	RAM
c3620-is56i-mz	IP PLUS IPSEC 56	3620	--	--	--	--	--	--	8	32	8	32	RAM
c3620-is56-mz	IP Plus 56	3620	--	--	4	16	8	24	--	--	--	--	RAM
c3620-is-mz	IP Plus	3620	--	--	4	16	8	24	8	32	8	32	RAM
c3620-js40-mz	Enterprise Plus 40	3620	--	--	8	24	8	24	8	48	8	48	RAM
c3620-js56-mz	Enterprise Plus 56	3620	--	--	8	24	8	24	--	--	--	--	RAM
c3620-js-mz	Enterprise Plus	3620	--	--	8	24	8	24	8	32	--	--	RAM
c3620-p-mz	Service Provider	3620	--	--	4	16	4	16	--	--	--	--	RAM
c3640-ajs40-mz	Enterprise/APPN Plus 40	3640	--	--	8	32	8	32	16	48	16	48	RAM
c3640-ajs56i-mz	ENTERPRISE/APPN PLUS IPSEC 56	3640	--	--	--	--	--	--	16	48	16	48	RAM
c3640-ajs56-mz	Enterprise/APPN Plus 56	3640	--	--	8	32	8	32	--	--	--	--	RAM
c3640-ajs-mz	Enterprise/APPN Plus	3640	--	--	8	32	8	32	16	48	16	48	RAM
c3640-d-mz	IP/IPX/AT/DEC	3640	--	--	4	24	4	24	8	24	8	24	RAM
c3640-ds-mz	IP/IPX/AT/DEC Plus	3640	--	--	4	24	8	24	8	32	--	--	RAM
c3640-i-mz	IP	3640	--	--	4	16	4	16	4	32	4	16	RAM
c3640-is40-mz	IP Plus 40	3640	--	--	4	16	8	24	8	32	8	32	RAM
c3640-is56i-mz	IP PLUS IPSEC 56	3640	--	--	--	--	--	--	8	32	8	32	RAM
c3640-is56-mz	IP Plus 56	3640	--	--	4	16	8	24	--	--	--	--	RAM
c3640-is-mz	IP Plus	3640	--	--	4	16	8	24	8	32	8	32	RAM
c3640-js40-mz	Enterprise Plus 40	3640	--	--	8	24	8	24	8	48	8	48	RAM
c3640-js56i-mz	ENTERPRISE PLUS IPSEC 56	3640	--	--	--	--	--	--	8	48	8	48	RAM
c3640-js56-mz	Enterprise Plus 56	3640	--	--	8	24	8	24	--	--	--	--	RAM
c3640-js-mz	Enterprise Plus	3640	--	--	8	24	8	24	8	48	8	48	RAM
c3640-p-mz	Service Provider	3640	--	--	4	16	4	16	--	--	--	--	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c4000-ajs40-mz	Enterprise/APPN Plus 40	4000	8	32	--	--	8	32	8	32	8	32	RAM
c4000-ajs40-mz	Enterprise/APPN Plus 40	4000-m	8	32	--	--	8	32	8	32	--	--	RAM
c4000-ajs56-mz	Enterprise/APPN Plus 56	4000	8	32	--	--	8	32	8	32	--	--	RAM
c4000-ajs56-mz	Enterprise/APPN Plus 56	4000-m	8	32	--	--	8	32	8	32	--	--	RAM
c4000-ajs-mz	Enterprise/APPN Plus	4000	8	32	--	--	8	32	8	32	8	32	RAM

		11.2		11.2P		11.3		12.0(1)		12		.0(1)T	Runs
c4000-ajs-mz	Enterprise/APPN Plus	4000-m	8	32	--	--	8	32	8	32	--	--	RAM
c4000-d-mz	IP/IPX/AT/DEC	4000	4	16	--	--	4	16	4	16	4	16	RAM
c4000-d-mz	IP/IPX/AT/DEC	4000-m	4	8	--	--	4	8	4	16	--	--	RAM
c4000-ds-mz	IP/IPX/AT/DEC Plus	4000	4	16	--	--	4	16	4	16	--	--	RAM
c4000-ds-mz	IP/IPX/AT/DEC Plus	4000-m	4	16	--	--	4	16	4	16	--	--	RAM
c4000-i-mz	IP	4000	4	16	--	--	4	16	4	16	4	16	RAM
c4000-i-mz	IP	4000-m17	4	16	--	--	4	16	4	16	--	--	RAM
c4000-is40-mz	IP Plus 40	4000	4	16	--	--	4	16	4	16	4	16	RAM
c4000-is40-mz	IP Plus 40	4000-m	4	8	--	--	4	8	4	16	--	--	RAM
c4000-is56i-mz	IP PLUS IPSEC 56	4000	--	--	--	--	--	--	4	16	4	16	RAM
c4000-is56-mz	IP Plus 56	4000	4	16	--	--	4	16	--	--	--	--	RAM
c4000-is56-mz	IP Plus 56	4000-m	4	8	--	--	4	8	--	--	--	--	RAM
c4000-is-mz	IP Plus	4000	4	16	--	--	4	16	4	16	4	16	RAM
c4000-is-mz	IP Plus	4000-m	4	8	--	--	4	8	4	16	--	--	RAM
c4000-js40-mz	Enterprise Plus 40	4000	8	16	--	--	8	16	8	16	8	16	RAM
c4000-js40-mz	Enterprise Plus 40	4000-m	8	16	--	--	8	16	8	16	--	--	RAM
c4000-js56i-mz	ENTERPRISE PLUS IPSEC 56	4000	--	--	--	--	--	--	4	16	8	16	RAM
c4000-js56-mz	Enterprise Plus 56	4000	8	16	--	--	8	16	--	--	--	--	RAM
c4000-js56-mz	Enterprise Plus 56	4000-m	8	16	--	--	8	16	--	--	--	--	RAM
c4000-js-mz	Enterprise Plus	4000	8	16	--	--	8	16	8	16	8	16	RAM
c4000-js-mz	Enterprise Plus	4000-m	8	16	--	--	8	16	8	16	--	--	RAM
c4000-p-mz	Service Provider	4000	4	16	--	--	4	16	--	--	--	--	RAM
c4000-p-mz	Service Provider	4000-m	4	8	--	--	4	8	--	--	--	--	RAM

		11.2		11.2P		11.3		12.0(1)		12		.0(1)T	Runs
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c4500-aejs40-mz	ENTERPRISE/APPN/DBCONN 40	4500	--	--	--	--	--	--	8	32	8	32	RAM
c4500-aejs-mz	ENTERPRISE/APPN/DBCONN	4500	--	--	--	--	--	--	8	32	8	32	RAM
c4500-ajs40-mz	Enterprise/APPN Plus 40	4500	8	32	8	32	8	32	8	32	8	32	RAM
c4500-ajs40-mz	Enterprise/APPN Plus 40	4500-m/4700	8	32	8	32	8	32	8	32	--	--	RAM
c4500-ajs56i-mz	ENTERPRISE/APPN PLUS IPSEC 56	4500	--	--	--	--	--	--	8	32	8	32	RAM
c4500-ajs56-mz	Enterprise/APPN Plus 56	4500	8	32	8	32	8	32	--	--	--	--	RAM
c4500-ajs56-mz	Enterprise/APPN Plus 56	4500-m/4700	8	32	8	32	8	32	--	--	--	--	RAM
c4500-ajs-mz	Enterprise/APPN Plus	4500	8	32	8	32	8	32	8	32	--	--	RAM
c4500-ajs-mz	Enterprise/APPN Plus	4500-m/4700	8	32	8	32	8	32	8	32	--	--	RAM
c4500-d-mz	IP/IPX/AT/DEC	4500	4	32	4	32	4	32	4	32	4	32	RAM
c4500-d-mz	IP/IPX/AT/DEC	4500-m/4700	4	16	4	16	4	16	8	32	--	--	RAM
c4500-ds-mz	IP/IPX/AT/DEC Plus	4500	4	32	4	32	8	32	8	32	8	32	RAM
c4500-ds-mz	IP/IPX/AT/DEC Plus	4500-m/4700	4	16	4	16	8	16	8	32	--	--	RAM

		11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs	
c4500-i-mz	IP	4500	4	32	4	32	4	32	4	32	--	--	RAM
c4500-i-mz	IP	4500-m/4700	4	16	4	16	4	16	4	32	--	--	RAM
c4500-is40-mz	IP Plus 40	4500	4	32	4	32	4	32	8	32	8	16	RAM
c4500-is40-mz	IP Plus 40	4500-m/4700	4	16	4	16	4	16	8	32	--	--	RAM
c4500-is56i-mz	IP PLUS IPSEC 56	4500	--	--	--	--	--	--	8	32	8	32	RAM
c4500-is56-mz	IP Plus 56	4500	4	32	4	32	4	32	--	--	--	--	RAM
c4500-is56-mz	IP Plus 56	4500-m/4700	4	16	4	16	4	16	--	--	--	--	RAM
c4500-is-mz	IP Plus	4500	4	32	4	32	4	32	8	32	8	32	RAM
c4500-is-mz	IP Plus	4500-m/4700	4	16	4	16	4	16	8	32	--	--	RAM
c4500-js40-mz	Enterprise Plus 40	4500	8	32	8	32	8	32	8	32	8	32	RAM
c4500-js40-mz	Enterprise Plus 40	4500-m/4700	8	16	8	16	8	16	8	32	--	--	RAM
c4500-js56i-mz	ENTERPRISE PLUS IPSEC 56	4500	--	--	--	--	--	--	8	32	8	32	RAM
c4500-js56-mz	Enterprise Plus 56	4500	8	32	8	32	8	32	--	--	--	--	RAM
c4500-js56-mz	Enterprise Plus 56	4500-m/4700	8	16	8	16	8	16	--	--	--	--	RAM
c4500-js-mz	Enterprise Plus	4500	8	32	8	32	8	32	8	32	8	32	RAM
c4500-js-mz	Enterprise Plus	4500-m/4700	8	16	8	16	8	16	8	32	--	--	RAM
c4500-p-mz	Service Provider	4500	4	32	4	32	4	32	--	--	--	--	RAM
c4500-p-mz	Service Provider	4500-m/4700	4	16	4	16	4	16	--	--	--	--	RAM

		11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs	
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
c5200-d-l	Desktop	AS5200	8	8	8	8	8	8	8	8	8	8	FLASH
c5200-ds-l	Desktop/Plus	AS5200	8	8	8	8	8	8	16	8	16	8	FLASH
c5200-i-l	IP	AS5200	8	8	8	8	8	8	8	8	8	8	FLASH
c5200-is-l	IP Plus	AS5200	8	8	8	8	8	8	8	8	8	8	FLASH
c5200-j-l	Enterprise	AS5200	8	8	8	8	16	8	16	8	16	8	FLASH
c5200-js-l	Enterprise Plus	AS5200	8	8	8	8	16	8	16	8	16	8	FLASH
c5300-d-mz	DESKTOP	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-ds-mz	DESKTOP PLUS	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-i-mz	IP	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-is40-mz	IP PLUS 40	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-is56i-mz	IP PLUS IPSEC 56	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-j-mz	ENTERPRISE	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-js40-mz	ENTERPRISE PLUS 40	5300	--	--	--	--	--	--	8	32	8	32	RAM
c5300-js56i-mz	ENTERPRISE PLUS IPSEC 56	5300	--	--	--	--	--	--	8	32	8	32	RAM
c7200-aejs40-mz	ENTERPRISE/APPN/DBCONN 40	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-aejs56i-mz	ENTERPRISE/APPN/DBCONN IPSEC 56	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-aejs-mz	ENTERPRISE/APPN/DBCONN	7200	--	--	--	--	--	--	16	32	16	32	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
c7200-ajs40-mz	Enterprise/APPN 40	7200	--	--	8	32	8	32	16	32	16	32	RAM
c7200-ajs56i-mz	ENTERPRISE/APPN IPSEC 56	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-ajs56-mz	Enterprise/APPN 56	7200	--	--	8	32	8	32	--	--	--	--	RAM
c7200-ajs-mz	Enterprise/APPN	7200	8	24	8	32	8	32	16	32	16	32	RAM
c7200-ds40-mz	Desktop/IBM 40	7200	--	--	4	32	8	32	16	32	16	32	RAM
c7200-ds56i-mz	DESKTOP/IBM IPSEC 56	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-ds56-mz	Desktop/IBM 56	7200	--	--	4	32	8	32	--	--	--	--	RAM
c7200-ds-mz	Desktop/IBM	7200	4	16	4	32	8	32	16	32	16	32	RAM
c7200-inu-mz	Netflow Layer 3 Switching	7200	8	16	8	32	8	32	16	32	16	32	RAM
c7200-is40-mz	IP 40	7200	--	--	4	32	8	32	16	32	16	32	RAM
c7200-is56i-mz	IP IPSEC 56	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-is56-mz	IP 56	7200	--	--	4	32	8	32	--	--	--	--	RAM
c7200-is-mz	IP	7200	4	16	4	32	8	32	16	32	16	32	RAM
c7200-js40-mz	Enterprise 40	7200	4	16	8	32	8	32	16	32	16	32	RAM
c7200-js56i-mz	ENTERPRISE IPSEC 56	7200	--	--	--	--	--	--	16	32	16	32	RAM
c7200-js56-mz	Enterprise 56	7200	--	--	8	32	8	32	--	--	--	--	RAM
c7200-js-mz	Enterprise	7200	8	16	8	32	8	32	16	32	16	32	RAM
c7200-p-mz	Service Provider	7200	--	--	4	32	8	32	--	--	--	--	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
rsp-aejv40-mz	ENTERPRISE/APPN/DBCONN 40	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-aejv56i-mz	ENTERPRISE/APPN/DBCONN IPSEC 56	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-aejv-mz	ENTERPRISE/APPN/DBCONN	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-ajsv40-mz	ENTERPRISE/APPN 40	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-ajsv40-mz	Enterprise/APPN 40	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-ajsv56i-mz	ENTERPRISE/APPN IPSEC 56	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-ajsv56-mz	Enterprise/APPN 56	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-ajsv-mz	ENTERPRISE/APPN	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-ajsv-mz	Enterprise/APPN	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-dsv40-mz	DESKTOP/IBM 40	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-dsv40-mz	Desktop/IBM 40	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-dsv56i-mz	DESKTOP/IBM IPSEC 56	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-dsv56-mz	Desktop/IBM 56	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-dsv-mz	DESKTOP/IBM	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-dsv-mz	Desktop/IBM	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-isv40-mz	IP 40	7500	--	--	--	--	--	--	16	32	16	32	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
rsp-isv40-mz	IP 40	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-isv56i-mz	IP IPSEC 56	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-isv56-mz	IP 56	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-isv-mz	IP ONLY	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-isv-mz	IP	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-itv-mz	IP ACIP	RSP 75XX	--	--	8	32	16	32	16	32	--	--	RAM
rsp-jsv40-mz	ENTERPRISE 40	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-jsv40-mz	Enterprise 40	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-jsv56i-mz	ENTERPRISE IPSEC 56	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-jsv56-mz	Enterprise 56	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-jsv-mz	ENTERPRISE	7500	--	--	--	--	--	--	16	32	16	32	RAM
rsp-jsv-mz	Enterprise	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-p-mz	Service Provider	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM
rsp-pv-mz	Service Provider	RSP 75XX	8	32	8	32	16	32	16	32	--	--	RAM

			11.2		11.2P		11.3		12.0(1)		12	.0(1)T	Runs
Image Name	Feature Set	Plat.	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	Flash	RAM	From
ubr7200-p-mz	UBR7246 MCNS TWO-WAY	ubr7200	--	--	--	--	--	--	16	32	16	32	RAM
mc3810-a2inr3-mz	IP/IPX/IBM/ATM	mc3810	--	--	--	--	--	--	8	32	--	--	RAM
mc3810-binr3v2-mz	IP/IPX/AT/IBM/VOICE	mc3810	--	--	--	--	--	--	8	32	--	--	RAM
mc3810-a2binr3v2-mz	IP/IPX/AT/IBM/VOICE/ATM	mc3810	--	--	--	--	--	--	8	32	--	--	
mc3810-inr3-mz	IP/IPX/IBM	mc3810	--	--	--	--	--	--	8	32	--	--	
c5rsm-ajsv-mz	Enterprise/APPN PLUS	c5rsm	--	--	--	--	--	--	--	--	16	32	RAM
c5rsm-ajsv40-mz	Enterprise/APPN 40	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-ajsv56i-mz	Enterprise/APPN IPSEC 56	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-dsv-mz	IP/IPX/AT/DEC	c5rsm	--	--	16	32	--	--	16	32	16	32	RAM
c5rsm-dsv40-mz	IP/IPX/AT/DEC 40	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-dsv56i-mz	DESKTOP/IBM IPSEC 56	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-isv-mz	IP	c5rsm	--	--	16	32	--	--	16	32	16	32	RAM
c5rsm-isv40-mz	IP 40	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-isv56i-mz	IP IPSEC 56	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-jsv-mz	ENTERPRISE	c5rsm	--	--	16	32	--	--	16	32	16	32	RAM
c5rsm-jsv40-mz	ENTERPRISE 40	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM
c5rsm-jsv56i-mz	ENTERPRISE IPSEC 56	c5rsm	--	--	--	--	--	--	16	32	16	32	RAM

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