

Product Bulletin - Public #553



Cisco IOS Software Release 11.2 P Content and Platform Support

This product bulletin describes the capabilities delivered with the Cisco IOS Software Early Delivery Release 11.2 P. It documents the Cisco hardware platforms supported by this release, and identifies the minimum memory requirements.

Cisco IOS software release 11.2 P is based on Cisco IOS software release 11.2. For more details on the features supported on this, please refer to Product Bulletin #487, 11.2 Release Notes, and/or the 11.2 P Release Notes.

11.2 P Release Summary:

Cisco IOS software release 11.2 P is an Early Deployment release. The focus of this release is to deliver support for:

- AS5200
 - Enhancements to Channelized T1, Robbed Bit Signaling, to add Ground Start and Loop Start signaling.
- Cisco 4500 and 4700 series
 - 100 Mbps Fast Ethernet NIM Support
- Cisco 3011 WAN Router Module for the Catalyst 3000
 - Two high-speed serial ports
 - ISDN BRI port

For more details on Early Deployment releases, please refer to Product Bulletin #537.

Supported Hardware Platforms:

Cisco IOS Release 11.2 P supports the following router platforms:

This Early Deployment release is targeted at delivering new interfaces, and functionality on the following:

- AS5200 -- starting with 11.2(2)P
- Cisco 4500 and 4700 series -- starting with 11.2(2)P

This Early Deployment release is targeted at delivering the following new platforms:

- Cisco 3011 WAN Router Module for the Catalyst 3000 -- starting with 11.2(2)P

11.2 P Software Release Issues

To ensure that you can successfully run 11.2 P, please carefully read this document in its entirety:

Note: Cisco strongly recommends that customers select and deploy “General Deployment” release versions of software for fundamental network infrastructure. A software release reaches the “General Deployment” (“GD”) milestone when Cisco feels it is suitable for general deployment anywhere in customer networks where the features and functionality of the release are required. These contain less unknowns and are more time proven versions of software which can be deployed broadly across a production network.

11.2 P is an Early Deployment release. This release is focused on delivering new features and platforms to market, and has greater unknowns than a more mature Major Release. As such, it should only be used for initial “point” use of new features. Any early release software should always be utilized in a test network before being fully deployed in a production network. The functionality delivered with this release will be incorporated in a subsequent Major Release. For more details on the release process, please see Product Bulletin #537.

11.2 P Product Summary

For additional information on Cisco IOS Release 11.2 P software, refer to the 11.2 Release Notes, the 11.2 P Release Notes, and Product Bulletin #487 on CCO which provide more detail about the software's features and caveats.

Memory Size Issues

There are no memory issues beyond those identified for the Major Release, 11.2, in Product Bulletin #531.

Boot ROM Considerations and Requirements

For platform specific boot ROM requirements, please refer to the following table

Table 1. Platform specific boot ROM requirements

Platform	Current boot ROM level for Release 11.2
4700	10.3(10)
4500-M	10.3(7)
4500	10.3(7)
2503 (for 3011 WAN module)	10.2(8a)

Feature Sets and Memory Requirements

The feature sets supported for 11.2 P are as follows:

Table 2. Feature Sets Supported on 11.2

Cisco Hardware Platforms			
Feature Sets	Cisco 2500 Series (3100 WAN Module)	Cisco 4500 and 4700 Series	Cisco AS5200
Standard Feature Sets			
IP	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic and Plus
Desktop	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic and Plus
Enterprise	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic and Plus
Enterprise and APPN	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	Basic, Plus, Plus Encryption 40, & Plus Encryption 56	—
IP/IPX/IBM and APPN	Basic	Basic	—
Special Applications			
ISDN	Basic	—	—

Table 3 describes the feature sets and memory requirements available on 11.2 P.

Table 3. 11.2 Feature Sets and Memory Requirements per Platform

Platform	Feature Set	Image	11.2 Flash Req't	11.2 DRAM Req't
2500 Series	IP Only	c2500-i-1	8MB	4MB
2500 Series	IP Plus	c2500-is-1	8MB	4MB
2500 Series	IP Plus 40	c2500-is40-1	8MB	4MB
2500 Series	IP Plus 56	c2500-is56-1	8MB	4MB
2500 Series	IP/IPX/AT/DEC	c2500-d-1	8MB	4MB
2500 Series	IP/IPX/AT/DEC Plus	c2500-ds-1	8MB	4MB
2500 Series	IP/IPX/AT/DEC Plus 40	c2500-ds40-1	8MB	4MB
2500 Series	IP/IPX/AT/DEC Plus 56	c2500-ds56-1	8MB	4MB
2500 Series	Enterprise	c2500-j-1	8MB	6MB
2500 Series	Enterprise Plus	c2500-js-1	8MB	6MB
2500 Series	Enterprise Plus 40	c2500-js40-1	8MB	6MB
2500 Series	Enterprise Plus 56	c2500-js56-1	8MB	6MB

Table 3. 11.2 Feature Sets and Memory Requirements per Platform

Platform	Feature Set	Image	11.2 Flash Req't	11.2 DRAM Req't
2500 Series	Enterprise/APPN Plus	c2500-ajs-l	16MB	8MB
2500 Series	Enterprise/APPN Plus 40	c2500-ajs40-l	16MB	8MB
2500 Series	Enterprise/APPN Plus 56	c2500-ajs56-l	16MB	8MB
2500 Series	IP/IPX/IBM & APPN Plus	c2500-ainr-l	8MB	8MB
2500 Series	ISDN	c2500-g-l	8MB	4MB
4500	IP Only	c4500-i-mz	4MB	32MB
4500-m/4700	IP Only	c4500-i-mz	4MB	16MB
4500	IP Plus	c4500-is-mz	4MB	32MB
4500-m/4700	IP Plus	c4500-is-mz	4MB	16MB
4500	IP Plus 40	c4500-is40-mz	4MB	32MB
4500-m/4700	IP Plus 40	c4500-is40-mz	4MB	16MB
4500	IP Plus 56	c4500-is56-mz	4MB	32MB
4500-m/4700	IP Plus 56	c4500-is56-mz	4MB	16MB
4500	IP/IPX/AT/DEC	c4500-d-mz	4MB	32MB
4500-m/4700	IP/IPX/AT/DEC	c4500-d-mz	4MB	16MB
4500	IP/IPX/AT/DEC Plus	c4500-ds-mz	4MB	32MB
4500-m/4700	IP/IPX/AT/DEC Plus	c4500-ds-mz	4MB	16MB
4500	IP/IPX/AT/DEC Plus 40	c4500-ds40-mz	4MB	32MB
4500-m/4700	IP/IPX/AT/DEC Plus 40	c4500-ds40-mz	4MB	16MB
4500	IP/IPX/AT/DEC Plus 56	c4500-ds56-mz	4MB	32MB
4500-m/4700	IP/IPX/AT/DEC Plus 56	c4500-ds56-mz	4MB	16MB
4500	Enterprise	c4500-j-mz	8MB	32MB
4500-m/4700	Enterprise	c4500-j-mz	8MB	16MB
4500	Enterprise Plus	c4500-js-mz	8MB	32MB
4500-m/4700	Enterprise Plus	c4500-js-mz	8MB	16MB
4500	Enterprise Plus 40	c4500-js40-mz	8MB	32MB
4500-m/4700	Enterprise Plus 40	c4500-js40-mz	8MB	16MB
4500	Enterprise Plus 56	c4500-js56-mz	8MB	32MB
4500-m/4700	Enterprise Plus 56	c4500-js56-mz	8MB	16MB
4500	Enterprise/APPN Plus	c4500-ajs-mz	8MB	32MB
4500-m/4700	Enterprise/APPN Plus	c4500-ajs-mz	8MB	32MB
4500	Enterprise/APPN Plus 40	c4500-ajs40-mz	8MB	32MB

Table 3. 11.2 Feature Sets and Memory Requirements per Platform

Platform	Feature Set	Image	11.2 Flash Req't	11.2 DRAM Req't
4500-m/4700	Enterprise/APPN Plus 40	c4500-ajs40-mz	8MB	32MB
4500	Enterprise/APPN Plus 56	c4500-ajs56-mz	8MB	32MB
4500-m/4700	Enterprise/APPN Plus 56	c4500-ajs56-mz	8MB	32MB
4500	IP/IPX/IBM/APPN	c4500-ainr-mz	8MB	32MB
4500-m/4700	IP/IPX/IBM/APPN	c4500-ainr-mz	8MB	32MB
5200 Series	IP Only	c5200-i-l	8MB	8MB
5200 Series	IP Plus	c5200-is-l	8MB	8MB
5200 Series	Desktop	c5200-d-l	8MB	8MB
5200 Series	Desktop Plus	c5200-ds-l	8MB	8MB
5200 Series	Enterprise	c5200-j-l	8MB	8MB
5200 Series	Enterprise Plus	c5200-js-l	8MB	8MB



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