

Feature Support

Cisco IOS software is packaged in feature sets that consist of software images that support specific platforms. The feature sets available for a specific platform depend on which Cisco IOS software images are included in a release. Each feature set contains a specific set of Cisco IOS features.



Caution

Cisco IOS images with strong encryption (including, but not limited to 168-bit (3DES) data encryption feature sets) are subject to U.S. government export controls and have limited distribution. Strong encryption images to be installed outside the United States are likely to require an export license. Customer orders may be denied or subject to delay because of U.S. government regulations. When applicable, the purchaser/user must obtain local import and use authorizations for all encryption strengths. Please contact your sales representative or distributor for more information, or send an e-mail to export@cisco.com.

The feature-to-image mapping is available through Cisco Feature Navigator. Cisco Feature Navigator is a web-based tool that enables you to determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or by feature set (software image). Under the release section, you can compare Cisco IOS software releases side by side to display both the features unique to each software release and the features that the releases have in common.

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

For frequently asked questions about Cisco Feature Navigator, see the FAQs at the following URL:

<http://www.cisco.com/support/FeatureNav/FNFAQ.html>

Determining Which Software Images (Feature Sets) Support a Specific Feature

To determine which software images (feature sets) in Cisco IOS Release 15.1M&T support a specific feature, go to the Cisco Feature Navigator home page and perform the following steps.

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- Step 1** From the Cisco Feature Navigator home page, click **Search by feature**.
 - Step 2** To find a feature, use either “Search by full or partial feature name” or “Browse features in alphabetical order.” Either a list of features that match the search criteria or a list of features that begin with the number or letter chosen from the ordered list will be displayed in the Features available text box on the left side of the web page.
 - Step 3** Choose a feature from the Features available text box, and click the **Add** button to add a feature to the Features selected text box on the right side of the web page.



Note To learn more about a feature in the list, click the Show Description(s) button below the Features available text box.

Repeat this step to add features. A maximum of 20 features can be chosen for a single search.

- Step 4** Click **Continue** when you are finished choosing features.
- Step 5** From the Major Release drop-down list, choose **15.1M&T**.
- Step 6** From the Release drop-down list, choose the appropriate maintenance release.

- Step 7** From the Platform drop-down list, choose the appropriate hardware platform. The “Search Results” table will list all the software images (feature sets) that support the features that you chose.
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Determining Which Features Are Supported in a Specific Software Image (Feature Set)

To determine which features are supported in a specific software image (feature set) in Cisco IOS Release 15.1M&T, go to the Cisco Feature Navigator home page and perform the following steps.

- Step 1** From the Cisco Feature Navigator home page, click **Compare Images**, and then **Search by Release**.
- Step 2** In the “Find the features in a specific Cisco IOS release, using one of the following methods:” area, choose **15.1M&T** from the Cisco IOS Major Release drop-down list.
- Step 3** Click **Continue**.
- Step 4** From the Release drop-down list, choose the appropriate maintenance release.
- Step 5** From the Platform drop-down list, choose the appropriate hardware platform.
- Step 6** From the Feature Set drop-down list, choose the appropriate feature set. The “Search Results” table will list all the features that are supported by the feature set (software image) that you chose.
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Memory Recommendations

The memory recommendation tables have been removed from the Cisco IOS Release 15.1M&T release notes to improve the usability of the release notes documentation. The memory recommendations that were provided by these tables are available through Cisco Feature Navigator.

Cisco Feature Navigator is a web-based tool that enables you to determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or by feature set (software image). Under the release section, you can compare Cisco IOS software releases side by side to display both the features unique to each software release and the features that the releases have in common.

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

www.cisco.com/go/fn

For frequently asked questions about Cisco Feature Navigator, see the FAQs at the following URL:

<http://tools.cisco.com/ITDIT/CFN/jsp/help.jsp>

Determining Memory Recommendations for Software Images (Feature Sets)

To determine memory recommendations for software images (feature sets) in Cisco IOS Release 15.1M&T, go to the Cisco Feature Navigator home page and perform the following steps.

- Step 1** From the Cisco Feature Navigator home page, click **Search by Software/Image Name/Product Code/Platform**.

Step 2 To find the memory recommendations for the latest Cisco IOS release, click the release under the Cisco IOS Quick Pick Latest Release area. For other releases, go to [Step 3](#).

- a. Choose **All Platforms** (or a specific platform) from the Platform drop-down list.
- b. Choose **All Feature Sets** from the Feature Set drop-down list.

The Search Results table will list all the software images (feature sets) that support the release that you chose, plus the DRAM and flash memory recommendations for each image.

Step 3 If the release is not listed in the Cisco IOS Quick Pick Latest Release area, choose **IOS** from the Software drop-down list, and click **Continue**.

- a. Choose a release from the Major Release drop-down list, and click **Continue** again.
- b. Choose a specific release from the Release drop-down list.
- c. Choose **All Platforms** (or a specific platform) from the Platform drop-down list
- d. Choose **All Feature Sets** from the Feature Set drop-down list.

The Search Results table will list all the software images (feature sets) that support the release that you chose, plus the DRAM and flash memory recommendations for each image.

Platform-Specific Information

This section describes the platform-specific information for the following Cisco platforms supported by Cisco IOS Release 15.1M&T:

- [Cisco 800 Series Routers, page 11](#)
- [Cisco 1800 Series Routers \(Fixed Configuration and Modular\), page 12](#)
- [Cisco 1900 Series Integrated Services Routers, page 13](#)
- [Cisco 2800 Series Integrated Services Routers, page 14](#)
- [Cisco 2900 Series Integrated Services Routers, page 15](#)
- [Cisco 3800 Series Integrated Services Routers, page 16](#)
- [Cisco 3900 Series Integrated Services Routers, page 17](#)
- [Cisco 7200 Series Routers, page 18](#)
- [Cisco AS5350XM Universal Gateways, page 19](#)
- [Cisco AS5400XM Universal Gateways, page 20](#)
- [Cisco Connected Grid Router 2000 Series, page 21](#)
- [Cisco IAD2430 Series Integrated Access Devices, page 22](#)
- [Cisco IAD2801 Series Integrated Access Devices, page 23](#)
- [Cisco VG200 Series Analog Voice Gateways, page 24](#)
- [Cisco VGD 1T3 Voice Gateways, page 25](#)

Cisco 800 Series Routers

Cisco IOS Release 15.1M&T supports the Cisco 800 series routers.

Introduction

For detailed information about the Cisco 800 series of routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/hw/routers/ps380/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 800 series routers:

- Cisco 819G, Cisco 819HG
- Cisco 860 (Cisco 861, Cisco 866, Cisco 866 VAE, Cisco 867, Cisco 867 VAE) (Cisco 860 series ISG introduced in Cisco IOS Release 15.1(4)M2)
- Cisco 870 (Cisco 871, Cisco 876, Cisco 877, Cisco 878)
- Cisco 881 (Cisco 881, Cisco 881 CUBE, Cisco 881W, Cisco IAD881, Cisco SRST881)
- Cisco 886 (Cisco 886, Cisco 886 CUBE, Cisco IAD886, Cisco 886 VA, Cisco 886 VA-W)
- Cisco 887 (Cisco 887, Cisco 887 CUBE, Cisco IAD887, Cisco 887 VA, Cisco 887 VA-M, Cisco 887 VA-W, Cisco 887 VAM-W)
- Cisco 888 (Cisco 888, Cisco 888 CUBE, Cisco 888E, Cisco IAD888, Cisco SRST888)
- Cisco 890 (Cisco 891, Cisco 892, Cisco 892F CUBE)

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 1800 Series Routers (Fixed Configuration and Modular)

Cisco IOS Release 15.1M&T supports the Cisco 1800 series routers.

Introduction

For detailed information about the Cisco 1800 series integrated service routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps5853/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 1800 series routers:

- Cisco 1801, Cisco 1802, Cisco 1803, and Cisco 1805, wireless and nonwireless
- Cisco 1811 and Cisco 1812, wireless (fixed configuration)
- Cisco 1811 and Cisco 1812, nonwireless (fixed configuration)
- Cisco 1841, Cisco 1841 VE (modular)
- Cisco 1841C (The Cisco 1841C router is supported in Cisco IOS Release 15.1(1)T1 and later releases.)
- Cisco 1861, Cisco 1861E (integrated services)

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps5853/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 1900 Series Integrated Services Routers

Cisco IOS Release 15.1M&T supports the Cisco 1900 series routers.

Introduction

For detailed information about the Cisco 1900 series integrated service routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps10538/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 1900 series integrated services routers:

- Cisco 1905
- Cisco 1906C
- Cisco 1921
- Cisco 1941
- Cisco 1941W

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps10538/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 2800 Series Integrated Services Routers

Cisco IOS Release 15.1M&T supports the Cisco 2800 series integrated service routers.

Introduction

For detailed information about the Cisco 2800 series integrated service routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps5854/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 2800 series integrated services routers:

- Cisco 2801
- Cisco 2801C (The Cisco 2801C router is supported in Cisco IOS Release 15.1(1)T1 and later releases.)
- Cisco 2811, Cisco 2811 VE
- Cisco 2811C (The Cisco 2811C router is supported in Cisco IOS Release 15.1(1)T1 and later releases.)
- Cisco 2821
- Cisco 2821C (The Cisco 2821C router is supported in Cisco IOS Release 15.1(1)T1 and later releases.)
- Cisco 2851

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps5854/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

**Note**

The minimum DRAM to run c2801-adventerprisek9-mz in Cisco IOS Release 15.1M&T is 192 MB.

Cisco 2900 Series Integrated Services Routers

Cisco IOS Release 15.1M&T supports the Cisco 2900 series integrated service routers.

Introduction

For detailed information about the Cisco 2900 series of routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps10537/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 2900 series integrated services routers:

- Cisco 2901
- Cisco 2911
- Cisco 2921
- Cisco 2951

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps10537/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 3800 Series Integrated Services Routers

Cisco IOS Release 15.1M&T supports the Cisco 3800 series integrated service routers.

Introduction

For detailed information about the Cisco 3800 series of routers, see the documents at the following location:

http://www.cisco.com/en/US/products/ps5855/tsd_products_support_series_home.html

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 3800 series integrated services routers:

- Cisco 3825
- Cisco 3825-NOVPN
- Cisco 3845
- Cisco 3845-NOVPN

For information about the interfaces and modules for this platform, see the following document:

<http://www.cisco.com/en/US/docs/routers/access/3800/hardware/notes/3800ioh.html>

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 3900 Series Integrated Services Routers

Cisco IOS Release 15.1M&T supports the Cisco 3900 series integrated service routers.

Introduction

For detailed information about the Cisco 3900 series of routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps10536/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 3900 series integrated services routers:

- Cisco 3925
- Cisco 3925E
- Cisco 3945
- Cisco 3945E

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps10536/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco 7200 Series Routers

Cisco IOS Release 15.1M&T supports the Cisco 7200 series routers.

Introduction

For detailed information about the Cisco 7200 series of routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/hw/routers/ps341/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco 7200 series routers:

- Cisco 7200
- Cisco 7200-NPE-G2
- Cisco 7201
- Cisco 7301

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/hw/routers/ps341/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco AS5350XM Universal Gateways

Cisco IOS Release 15.1M&T supports the Cisco AS5350XM universal gateways.

Introduction

For detailed information about the Cisco AS5350XM universal gateway, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps6268/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the Cisco AS5350XM universal gateways.

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco AS5400XM Universal Gateways

Cisco IOS Release 15.1M&T supports the Cisco AS5400XM universal gateways.

Introduction

For detailed information about the Cisco AS5400XM universal gateway, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps6269/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the Cisco AS5400XM universal gateways.

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco Connected Grid Router 2000 Series

Cisco IOS Release 15.1M&T supports the Cisco connected grid router 2000 series.

Introduction

For detailed information about Cisco Connected Grid Routers, see the documents at the following location:

<http://www.cisco.com/en/US/products/ps10977/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the Cisco Connected Grid Router 2010 (CGR 2010).

For information about the interfaces and modules for this platform, see the following document:

http://www.cisco.com/en/US/products/ps10977/products_relevant_interfaces_and_modules.html

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco IAD2430 Series Integrated Access Devices

Cisco IOS Release 15.1M&T supports the Cisco IAD2430 series integrated access devices.

Introduction

For detailed information about the Cisco IAD2430 series integrated access devices, see the documents at the following location:

<http://www.cisco.com/en/US/products/hw/gatecont/ps887/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco IAD2430 series integrated access devices:

- Cisco IAD2430
- Cisco IAD2431
- Cisco IAD2432
- Cisco IAD2435

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco IAD2801 Series Integrated Access Devices

Cisco IOS Release 15.1M&T supports the Cisco IAD2801 series integrated access devices.

Introduction

For detailed information about Cisco IAD2801 series integrated access devices, see the documents at the following location:

http://www.cisco.com/en/US/products/ps7214/tsd_products_support_series_home.html

Supported Hardware

Cisco IOS Release 15.1M&T supports the Cisco IAD2801 series integrated access devices.

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco VG200 Series Analog Voice Gateways

Cisco IOS Release 15.1M&T supports the Cisco VG200 series analog voice gateways.

Introduction

For detailed information about the Cisco VG200 series analog voice gateways, see the documents at the following location:

<http://www.cisco.com/en/US/products/hw/gatecont/ps2250/index.html>

Supported Hardware

Cisco IOS Release 15.1M&T supports the following Cisco VG200 series analog voice gateways:

- Cisco VG202
- Cisco VG204
- Cisco VG224

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

Cisco VGD 1T3 Voice Gateways

Cisco IOS Release 15.1M&T supports the Cisco VGD 1T3 series voice gateways.

Introduction

For detailed information about the Cisco VGD 1T3 series voice gateways, see the documents at the following location:

http://www.cisco.com/en/US/products/ps9890/tsd_products_support_series_home.html

Supported Hardware

Cisco IOS Release 15.1M&T supports the Cisco VGD 1T3 series voice gateways.

For additional information about supported hardware for this platform and release, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

Memory recommendations and feature support information for Cisco IOS Release 15.1M&T are also available through Cisco Feature Navigator.

