

OBTAIN A FEATURE LICENSE TO USE CISCO IOS SOFTWARE FEATURES

H.323 Gatekeeper, Multiservice IP-to-IP Gateway, and H.323 Multimedia Conference Manager

PRODUCT OVERVIEW

To use the Cisco IOS[®] Software features H.323 Gatekeeper, IP-to-IP Gateway, or H.323 Multimedia Conference Manager (MCM), customers must purchase feature licenses. The H.323 Gatekeeper, IP-to-IP Gateway, and H.323 MCM are key components of a voice- and video-over-IP network design that allows control, management and routing, and ensures quality of service. This document describes the feature licenses available and the router platforms and software versions to which they apply.

Cisco IOS Software Licenses

The Cisco IOS Software License is commonly referred to as Cisco IOS Software. This type of license includes the right to use a particular Cisco IOS software release and feature set on one router. For example, Cisco IOS Software Release 12.3(7)T ENTERPRISE PLUS/H323 MCM for the Cisco 3745 Multiservice Access Router, ordered as part number S374APU-12307T, corresponds to the software image called c3745-jsx-mz.123-07.T.bin

Cisco IOS Software Feature Licenses

Another type of license, Cisco IOS Software Feature License, is commonly referred to as a feature license. In some cases, additional value-added functions are provided in software images but the “base” Cisco IOS Software License does not cover them. Cisco offers the right to use these features through a feature license.

For example:

- To use the H.323 Gatekeeper feature on a Cisco 3745 Multiservice Access Router, the H.323 Gatekeeper Feature License, FL-GK-NEW-3745 is required.
- To use the Multiservice IP-to-IP Gateway feature on a Cisco 3745 Multiservice Access Router, the IP-to-IP Gateway Feature License, FL-IPIP3745CORE is required
- Beginning with Cisco IOS Software Release 12.3(7)T in March 2004, the H.323 Gatekeeper and Multiservice IP-to-IP Gateway features can run concurrently on the same hardware platform. In this case, the H.323 Gatekeeper Feature License, FL-GK-NEW-xxxx, provides the right to use both the H.323 Gatekeeper and the Multiservice IP-to-IP Gateway features.

Note: A feature license conveys the right to use a feature, but it cannot add a feature to a software release or software image that does not support it. For example, purchasing a Gatekeeper Feature License for Cisco IOS Software Release 10.0, or for the IP release for the Cisco 3745, will not upgrade the software to support the Gatekeeper features. Choose a software release that supports all required features, and then choose any necessary feature licenses.

ORDERABLE PRODUCT NUMBERS

H.323 Gatekeeper Feature Licenses

A list of licenses created for the H.323 Gatekeeper is displayed in Table 1.

Table 1 H.323 Gatekeeper Feature Licenses with Product Numbers and Descriptions

Product Number ^{1,2}	Description
FL-GK-NEW-2600 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on Cisco 2600 and 2600-XM Series Routers. Beginning with Cisco IOS Software Release 12.3(7)T (March 2004) this feature license also covers the right to use the Cisco Multiservice IP-to-IP Gateway when both features run on the same Cisco 2600 or 2600-XM series platform. Note: Combined functionality requires the appropriate Cisco IOS Software image: <ul style="list-style-type: none">• S26APU-12307T (or higher), Cisco 2600 Series IOS ENTERPRISE PLUS/H323 MCM• S269APU-12307T (or higher), Cisco 2691 Series IOS ENTERPRISE PLUS/H323 MCM
FL-GK-NEW-3620 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 3620 Router
FL-GK-NEW-3640 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 3640 Router
FL-GK-NEW-3660 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 3660 Router. Beginning with Cisco IOS Software Release 12.3(7)T (March 2004), this feature license also covers the right to use the Cisco Multiservice IP-to-IP Gateway when both features run on the same Cisco 3660 platform. Note: Combined functionality requires the appropriate IOS Software image: <ul style="list-style-type: none">• S366APU-12307T (or higher), Cisco 3660 Series IOS ENTERPRISE PLUS/H323 MCM
FL-GK-NEW-3725 (=)	New and upgrade feature license for use with all voice and video Gatekeepers on the Cisco 3725 Multiservice Access Router Beginning with Cisco IOS Software Release 12.3(7)T (March 2004) this feature license also covers the right to use the Cisco Multiservice IP-to-IP Gateway when both features run on the same Cisco 3725 platform. Note: Combined functionality requires the appropriate IOS Software image: <ul style="list-style-type: none">• S372APU-12307T (or higher), Cisco 3725 Series IOS ENTERPRISE PLUS/H323 MCM
FL-GK-NEW-3745 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 3745 Multiservice Access Router Beginning with Cisco IOS Software Release 12.3(7)T (March 2004), this feature license also covers the right to use the Cisco Multiservice IP-to-IP Gateway when both features run on the same Cisco 3745 platform. Note: Combined functionality requires the appropriate IOS software image: <ul style="list-style-type: none">• S374APU-12307T (or higher), Cisco 3755 Series IOS ENTERPRISE PLUS/H323 MCM
FL-GK-NEW-7200 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 7200 Series
FL-GK-NEW-7400 (=)	New and upgrade feature license for use with all voice and video Gatekeeper features on the Cisco 7400 Series

1. An '=' (equal sign) after the Product Numbers in Table 1 indicates a spare which is orderable separately without a complete system purchase. Spare Product Numbers are typically used for system upgrades.

2. All FL-MCM-NEW- product numbers are obsolete and you cannot order these after March 1, 2004. FL-GK-NEW- product numbers replace FL-MCM-NEW- product numbers.

Video-Enabled IP-to-IP Gateway

The Cisco Multiservice IP-to-IP Gateway can be used to provide quality of service (QoS) features for video endpoints in place of the MCM/Proxy using Cisco IOS Software Release 12.3(4)T or higher. The IP-to-IP Gateway provides new features not available with the MCM/Proxy such as:

- Support for H.323v3/v4 versus H.323v2
- Resource Reservation Protocol (RSVP) synchronized with call signaling to allow control over call handling when reservations fail
- Differentiated Services Code Points (DSCP) markings
- Far end camera control
- Codecs can be transparent to the IP-to-IP Gateway. This allows Video endpoints to negotiate codec capabilities independently and makes it possible to use codecs between video endpoints that are not natively supported on the Cisco IOS Gateway.
- Interoperability with Cisco CallManager

How to Order an H.323 Gatekeeper

When configuring a system, the H.323 Gatekeeper Feature License will be presented when any of the Cisco IOS Software images containing the H.323 Gatekeeper features are selected. The list of appropriate Cisco IOS Software images appears in Table 2.

Table 2 H.323 Gatekeeper - Cisco IOS Software Images by Platform

Router	Cisco IOS Software
Cisco 2600-XM, 3660, and 3700 series routers	<p>There are two different software images available with H.323 Gatekeeper support for these platforms.</p> <ol style="list-style-type: none">1. Cisco Series IOS IP/H323 (ix): Supports the following configuration only:<ul style="list-style-type: none">– Gatekeeper + MCM Proxy2. Cisco Series ENTERPRISE PLUS/H323 MCM (jsx): Supports either of the following configurations:<ul style="list-style-type: none">– Gatekeeper + IP-to-IP Gateway– Gatekeeper + MCM/Proxy <p>In addition to Gatekeeper + IP-to-IP Gateway features, Cisco IOS ENTERPRISE PLUS/H323 MCM supports voice gateway interfaces to connect to circuit switched / TDM devices (e.g. FXS, FXO, T1, E1, etc.). All features can run concurrently on the same hardware platform.</p>
Cisco 7200 and 7400 series routers	<ol style="list-style-type: none">1. Cisco Series IOS ENTERPRISE (js)2. Cisco Series IOS ENTERPRISE MCM (jx2) <p>Note: IOS ENTERPRISE MCM was discontinued starting with 12.3T and 12.3 Mainline</p>

Cisco Multiservice IP-to-IP Gateway Feature Licenses

The Cisco Multiservice IP-to-IP Gateway enhances the existing capabilities of H.323 based voice- and video-over-IP as an additional control and demarcation point in the network. You could use this functionality to provide a secure boundary between independent administrative domains or simply as a proxy for enriched services within a single administrative domain. The IP-to-IP Gateway performs many of the same functions as a traditional a PSTN-to-IP gateway, but it can also act on two IP call legs, rather than only on calls consisting of a TDM and an IP call leg.

More information on the Cisco Multiservice IP-to-IP Gateway is available here:

<http://cisco.com/en/US/products/sw/voicesw/ps5640/index.html>

Table 3 displays a list of licenses created for the IP-to-IP Gateway. Use these feature licenses when you purchase the IP-to-IP Gateway separately from the H.323 Gatekeeper. When configuring a system, the IP-to-IP Gateway feature license will be presented when any of the Cisco IOS Software images containing the IP-to-IP Gateway are selected.

Note: The IOS images listed in Table 3 do not support voice gateway interfaces to connect to circuit switched / TDM devices (e.g. FXS, FXO, T1, E1, etc.). Use Cisco IOS ENTERPRISE PLUS/H323 MCM to run TDM-to-IP voice gateway + IP-to-IP Gateway features concurrently.

Table 3 Cisco Multiservice IP-to-IP Gateway Feature Licenses and IOS Images

Product Number ¹	Description & Cisco IOS IP-to-IP Gateway Software
FL-IPIP26XMCORE (=)	New and upgrade feature license for use with IP-to-IP Gateway features on Cisco 2600-XM Series Routers. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 2600 Series IOS VOICE IP TO IP VOICE GATEWAY (js2) • Product Number: S26APG-
FL-IPIP26XMOSP (=)	New and upgrade feature license for use with IP-to-IP Gateway features on Cisco 2600-XM Series Routers. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 2600 Series IOS VOICE IP TO IP VOICE GATEWAY IPSEC 3DES (jk9s2) • Product Number: S26AK9G-
FL-IPIP3660CORE (=)	New and upgrade feature license for use with IP-to-IP Gateway features on the Cisco 3660 Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3660 Series IOS VOICE IP TO IP VOICE GATEWAY (js2) • Product Number: S366APG-
FL-IPIP3660OSP (=)	New and upgrade feature license for use with IP-to-IP Gateway features on 3660 Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3660 Series IOS VOICE IP TO IP VOICE GATEWAY IPSEC 3DES • Product Number: S366AK9G-
FL-IPIP3725CORE (=)	New and upgrade feature license for use with IP-to-IP Gateway features on the Cisco 3725 Multiservice Access Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3725 Series IOS VOICE IP TO IP VOICE GATEWAY • Product Number: S372APG-
FL-IPIP3725OSP (=)	New and upgrade feature license for use with IP-to-IP Gateway features on the 3725 Multiservice Access Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3725 Series IOS VOICE IP TO IP VOICE GATEWAY IPSEC 3DES • Product Number: S372AK9G-

Table 3 Cisco Multiservice IP-to-IP Gateway Feature Licenses and IOS Images (Continued)

Product Number ¹	Description & Cisco IOS IP-to-IP Gateway Software
FL-IPIP3745CORE (=)	New and upgrade feature license for use with IP-to-IP Gateway features on the Cisco 3745 Multiservice Access Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3745 Series IOS VOICE IP TO IP VOICE GATEWAY • Product Number: S374APG-
FL-IPIP3745OSP (=)	New and upgrade feature license for use with all IP-to-IP Gateway features on the Cisco 3745 Multiservice Access Router. Select this feature license when you select the following Cisco IOS Software image: <ul style="list-style-type: none"> • Cisco 3745 Series IOS VOICE IP TO IP VOICE GATEWAY IPSEC 3DES • Product Number: S374AK9G-

1. An '=' (equal sign) after the Product Numbers in Table 3 indicates a spare which is orderable separately without a complete system purchase. Spare Product Numbers are typically used for system upgrades.

FOR MORE INFORMATION

Please refer to the Cisco Price List to obtain current information on prices for individual Product Numbers.

More information on the Cisco Multiservice IP-to-IP Gateway is available here:

<http://cisco.com/en/US/products/sw/voicesw/ps5640/index.html>

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