



Cisco Unified Border Element and Cisco Gatekeeper Ordering Guide

November, 2010

Contents

1	Cisco IOS Software Images and Feature Sets	3
1.1	Cisco Unified Border Element and Cisco Gatekeeper Functions	3
1.2	“Light” Cisco Unified Border Element Functions.....	4
2	Cisco IOS Software Feature Licenses	4
2.1	Cisco Unified Border Element and Cisco Gatekeeper License Types.....	4
2.1.1	Pay-as-You-Grow License	4
2.1.2	Platform License	5
2.2	Cisco Unified Border Element Licenses	5
2.3	Gatekeeper Licenses	6
2.4	Platform Packages	6
3	Cisco Unified Border Element Maximum Session Count Support	7
4	Ordering a Cisco Unified Border Element	7
4.1	Starting with a Router Platform	8
4.2	Starting with a Cisco Unified Border Element Bundle.....	8
4.3	Starting with a Unified Communications Bundle.....	9
4.4	Ordering an Active/Standby Redundant Pair.....	10
5	Ordering a Cisco Gatekeeper	11
5.1	Starting with a Router Platform	11
5.2	Starting with a Cisco Unified Border Element Bundle.....	11
6	For More Information	11
7	Marketing Contacts	11

1 Cisco IOS Software Images and Feature Sets

Different Cisco IOS[®] Software images are available for the various platforms that support Cisco Unified Border Element and Cisco Gatekeeper functions. These Cisco IOS Software feature sets contain different levels of features. In addition to the software image, a feature license is required to turn on the desired function; licensing is discussed in the next section.

The Cisco[®] 800, 2900, 3900 and 3900E Series Integrated Services Router platforms have a universal Cisco IOS Software image. On these platforms all features are contained in the single software image, and the features that are available for use are determined only by the license(s) purchased.

The Cisco Unified Border Element has different groups of features that are broadly classified under four categories:

- A: Basic or common Cisco Unified Border Element features
- B: Voice security features
- C: Gatekeeper, video, and advanced Cisco Unified Border Element features
- D: Lawful intercept

1.1 Cisco Unified Border Element and Cisco Gatekeeper Functions

Except for the platforms with a universal image, the Cisco IOS Software feature set to order depends on the features you require. Table 1 shows the mapping of different Cisco IOS Software feature sets and platforms for the four categories of Cisco Unified Border Element and Cisco Gatekeeper features.

Table 1. Cisco IOS Software Feature Sets for Cisco Unified Border Element and Cisco Gatekeeper Functions

Platforms	Cisco IOS Software Feature Sets*	Feature Category
Cisco 2900, 3900 and 3900E Series Integrated Services Routers	Universal Image	ABCD
	Universal Image (no payload encryption)	AC
Cisco ASR 1000 Series Aggregation Services Routers	ADVANCED IP SERVICES	AB
	ADVANCED ENTERPRISE SERVICES	AB
Cisco 2800 and 3800 Series Integrated Services Routers	IP VOICE	A
	IP VOICE W/O CRYPTO	A
	ENTERPRISE SERVICES	A
	ENTERPRISE SERVICES W/O CRYPTO	A
	SP SERVICES	A
	ADVANCED IP SERVICES	AB
	ADVANCED ENTERPRISE SERVICES	AB
	INT VOICE/VIDEO, IPIP GW, TDMIP GW	AC
	INT VOICE/VIDEO, IPIPGW, TDMIP GW AES	ABC
	INT VOICE/VIDEO GK, IPIPGW, TDMIP GW AES, LI	ABCD
Cisco AS5350XM and Cisco AS5400XM Universal Gateways	IP PLUS	A
	IP PLUS IPSEC 3DES	AB
	IP PLUS IPSEC 3DES LAWFUL INTERCEPT	ABD
	INT VOICE/VIDEO IPIPGW, TDMIP GW EPLUS	ABC
	INT VOICE/VIDEO IPIPGW, TDMIP GW LI	ABCD

*The IP Base, Enterprise Base, and Advanced Security feature sets contain no unified communications features.

1.2 “Light” Cisco Unified Border Element Functions

Several lower-end platforms support a subset of Cisco Unified Border Element feature functions. These platforms and their software images are given in Table 2. Functions in this subset generally include the A and B feature categories, and specifically the following features:

- Session Initiation Protocol (SIP)-to-SIP connections (no H.323 interworking)
- SIP video (no H.323)
- No TelePresence support
- No gatekeeper support
- No Tool Command Language (Tcl) or VoiceXML capabilities

Table 2. Cisco IOS Software Feature Sets with Cisco Unified Border Element “Light” Functions

Platforms	Cisco IOS Software Feature Sets	Feature Category
Cisco 880 Series Integrated Services Routers	UNIVERSAL VOICE	AB
Cisco IAD880 Series Integrated Access Devices	UNIVERSAL VOICE	AB
Cisco 1861 Integrated Services Router	IP VOICE W/O CRYPTO	A
	SP SERVICES	A
	ENTERPRISE SERVICES	A
	ADVANCED IP SERVICES	AB
	ADVANCED ENTERPRISE SERVICES	AB
Cisco IAD2430 Integrated Access Device	IP SUBSET/VOICE	A
	IP SUBSET/IPSEC 64BIT/FW/VOICE	AB

2 Cisco IOS Software Feature Licenses

Purchasing the appropriate software image is in many cases sufficient to deploy Cisco router features. In other cases a feature license in addition to the software image is required. All features on platforms with a universal software image require a license. Both the Cisco Unified Border Element and Cisco Gatekeeper are licensed features.

On the Cisco 2900, 3900 and 3900E Series platforms, the Cisco Unified Border Element and Cisco Gatekeeper have distinct license part numbers. On all other platforms, where both features are supported, the same license part numbers are shared for both Cisco Unified Border Element and Cisco Gatekeeper capabilities.

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 contain it. For example, purchasing a Cisco Gatekeeper feature license for the Cisco 3845 IP VOICE image will not upgrade the software to support Cisco Gatekeeper features—the IP VOICE image does not contain Cisco Gatekeeper code. First choose a software image that supports all required features, and then choose the appropriate feature licenses to allow the capability.

2.1 Cisco Unified Border Element and Cisco Gatekeeper License Types

Two types of Cisco Unified Border Element licenses are available:

- Pay-as-You-Grow, or session count, license
- Platform, or flat, license

Cisco Unified Border Element licenses are available in both types on select platforms. Cisco Gatekeeper licenses are available in the platform license type only.

2.1.1 Pay-as-You-Grow License

This type of license covers the right to use the feature as well as the maximum session count allowed. An example is the FL-CUBE-25 license, which allows up to 25 sessions.

This license is designed to allow a specific number of sessions (or calls) on a platform. Purchase only as many sessions as are required in your deployment. You can add more licenses later as your needs expand, thus offering pay-as-you-grow benefits. Session licenses are stackable. These licenses are available on select platforms as given in Table 3, and are available on all software images. Examples include the FL-CUBE-4 and FL-CUBEE-100 licenses.

2.1.2 Platform License

This type of license covers the right to use the feature up to the maximum session count supported on the chosen platform as given later in the document in Table 6. An example is the FL-INTVSRV-2811 license, which allows the maximum number of sessions the Cisco 2811 platform supports (Table 6).

These licenses are available on select platforms as given in Table 3. These licenses require a software image with C or D feature capability as given in Table 1. Examples include the FL-INTVSRV-2801 and FL-GK-3945 licenses.

2.2 Cisco Unified Border Element Licenses

Table 3 lists the Cisco Unified Border Element licenses available per platform.

CUBE Redundancy license supports:

1. CUBE regular redundancy. Two CUBE platforms (ISR-G2 or ASR1K) are positioned in a same local network and are configured in an ACTIVE/STANDBY pairing. The CUBE-RED license allows transferring of the license from the Active to the Standby machine in the event of a failure.
2. CUBE Dual redundancy. CUBE in High Availability configuration in two independent Data Centers with a CUBE Active/Standby pair (ISR-G2 or ASR1K) in each. The CUBE-RED license allows transfer not only within one redundant pair from Active to Standby, but also from one pair to the other.

For Active/Standby redundant configurations, use the “Redundant-Platform” licenses. For all other configurations, including single-platform Active/Active load balancing, and Inbox redundant configurations, use the “Single-Platform” licenses.

Table 3. Cisco Unified Border Element License Choices per Platform

Platform	Single-Platform License SKUs	Redundant-Platform License SKUs	License Type
Cisco 2901, 2911, and 2921 Integrated Services Routers	FL-CUBEE-5	FL-CUBEE-5-RED	Pay-as-You-Grow
	FL-CUBEE-25	FL-CUBEE-25-RED	Pay-as-You -Grow
	FL-CUBEE-100	FL-CUBEE-100-RED	Pay-as-You -Grow
Cisco 2951 and 3925 Integrated Services Routers	FL-CUBEE-5	FL-CUBEE-5-RED	Pay-as-You -Grow
	FL-CUBEE-25	FL-CUBEE-25-RED	Pay-as-You -Grow
	FL-CUBEE-100	FL-CUBEE-100-RED	Pay-as-You -Grow
	FL-CUBEE-500	FL-CUBEE-500-RED	Pay-as-You -Grow
Cisco 3945, 3925E, and 3945E Integrated Services Routers	FL-CUBEE-5	FL-CUBEE-5-RED	Pay-as-You -Grow
	FL-CUBEE-25	FL-CUBEE-25-RED	Pay-as-You -Grow
	FL-CUBEE-100	FL-CUBEE-100-RED	Pay-as-You -Grow
	FL-CUBEE-500	FL-CUBEE-500-RED	Pay-as-You -Grow
	FL-CUBEE-1000	FL-CUBEE-1000-RED	Pay-as-You -Grow
Cisco ASR 1000 Series Aggregation Services Routers	FLASR1-CUBEE-100P	FLASR1-CUBEE-100R	Pay-as-You -Grow
	FLASR1-CUBEE-500P	FLASR1-CUBEE-500R	Pay-as-You -Grow
	FLASR1-CUBEE-1KP	FLASR1-CUBEE-1KR	Pay-as-You -Grow
	FLASR1-CUBEE-4KP	FLASR1-CUBEE-4KR	Pay-as-You -Grow
	FLASR1-CUBEE-16KP	FLASR1-CUBEE-16KR	Pay-as-You -Grow
Cisco 2800 Series Integrated Services Routers	FL-CUBE-4	N/A	Pay-as-You -Grow
	FL-CUBE-25		Pay-as-You -Grow
	FL-CUBE-100		Pay-as-You -Grow
	FL-INTVSRV-2801		Platform
	FL-INTVSRV-2811		Platform
	FL-INTVSRV-2821		Platform

Platform	Single-Platform License SKUs	Redundant-Platform License SKUs	License Type
	FL-INTVSRV-2851		Platform
Cisco 3800 Series Integrated Services Routers	FL-CUBE-4 FL-CUBE-25 FL-CUBE-100 FL-INTVSRV-3825 FL-INTVSRV-3845	N/A	Pay-as-You -Grow Pay-as-You -Grow Pay-as-You -Grow Platform Platform
Cisco AS5350XM and AS5400XM Universal Gateways	FL-INTVSRV-5X	N/A	Platform
Cisco 880 Series Integrated Services Routers	FL-CUBE-4	N/A	Pay-as-You -Grow
Cisco IAD880 Integrated Access Devices	FL-CUBE-4		Pay-as-You -Grow
Cisco 1861 Integrated Services Router	FL-CUBE-4		Pay-as-You -Grow
Cisco IAD2430 Integrated Access Device	FL-CUBE-4 FL-CUBE-25		Pay-as-You -Grow Pay-as-You -Grow

2.3 Gatekeeper Licenses

Gatekeeper licenses, available per platform, are given in Table 4. As of Cisco IOS Software Release 12.4(20)T or later, Cisco Gatekeeper licensing is enforced. After ordering, you can obtain a Cisco Gatekeeper license file to install on your router [here](#). A 60-day grace period, or temporary license, is automatically enabled for evaluation purposes or while you wait to receive your license order.

Cisco Gatekeeper functions require a C image (as given in Table 1) on the Cisco 2800 and 3800 Series platforms. On the Cisco 2900 and 3900 Series platforms, it is included in the universal software image.

Table 4. Cisco Gatekeeper License Choices per Platform

Platform	License SKU Choices	License Type
Cisco 2900 Series Integrated Services Routers	FL-GK-2901 FL-GK-2911 FL-GK-2921 FL-GK-2951	Platform Platform Platform Platform
Cisco 3900 and 3900E Series Integrated Services Routers	FL-GK-3925 FL-GK-3945	Platform Platform
Cisco 2800 Series Integrated Services Routers	FL-CUBE-4 FL-CUBE-25 FL-CUBE-100 FL-INTVSRV-2801 FL-INTVSRV-2811 FL-INTVSRV-2821 FL-INTVSRV-2851	Pay-as-You-Grow Pay-as-You-Grow Pay-as-You-Grow Platform Platform Platform Platform
Cisco 3800 Series Integrated Services Routers	FL-CUBE-4 FL-CUBE-25 FL-CUBE-100 FL-INTVSRV-3825 FL-INTVSRV-3845	Pay-as-You-Grow Pay-as-You-Grow Pay-as-You-Grow Platform Platform
Cisco AS5350XM and AS5400XM Universal Gateways	FL-INTVSRV-5X	Platform

2.4 Platform Packages

The Cisco 2900, 3900 and 3900E Series platforms have universal software images. To enable general software capabilities such as Security or Unified Communications, you must order a specific software package. This setup is comparable to the tiered feature functions previously offered in different software images (such as IP Voice or Advanced IP Services) on the Cisco 2800 and 3800 Series platforms.

To get Cisco Unified Border Element and Cisco Gatekeeper functions, order the Unified Communications package. If you want security features, add the Security package. Table 5 lists the Cisco 2900, 3900 and 3900E Software packages.

Table 5. Platform Packages

Platform	Description	Package SKU	Required
Cisco 2900 Series Integrated Services Routers	Unified Communications License for Cisco 2901 through 2951	SL-29-UC-K9	Yes
	Security License for Cisco 2901 through 2951	SL-29-SEC-K9	Optional
Cisco 3900 and 3900E Series Integrated Services Routers	Unified Communications License for Cisco 3925, 3945, 3925E, and 3945E	SL-39-UC-K9	Yes
	Security License for Cisco 3925, 3945, 3925E, and 3945E	SL-39-SEC-K9	Optional

3 Cisco Unified Border Element Maximum Session Count Support

The maximum number of pay-as-you-grow sessions that you can license on a particular platform is determined by the maximum session support for the platform. The maximum performance supported by a system with a platform license is also determined by the maximum session support of the platform.

Maximum sessions supported by Cisco Unified Border Element platforms are given in Table 6.

Table 6. Maximum Session Counts per Platform

Platform Category	Platform	Maximum Sessions
Cisco 2900 Series Integrated Services Routers	2901	100
	2911	200
	2921	400
	2951	600
Cisco 3900 Series Integrated Services Routers	3925	800
	3945	950
	3925E	2100
	3945E	2500
Cisco ASR 1000 Series Aggregation Services Routers	ASR 1002	1750
	ASR 1004 RP1	1750
	ASR 1006 RP1	1750
	ASR 1001	10000
	ASR 1004 RP2	16000*
	ASR 1006 RP2	16000*
Cisco 2800 Series Integrated Services Routers	2801	55
	2811	110
	2821	200
	2851	225
Cisco 3800 Series Integrated Services Routers	3825	400
	3845	500
Cisco AS5350XM and AS5400XM Universal Gateways	All	800
Cisco 880 Series Integrated Services Routers	All	12
Cisco IAD880 Integrated Access Devices	All	12
Cisco 1861 Integrated Services Router	All	Twice the number of phones
Cisco IAD2430 Integrated Access Device	All	25

*Note: Up to 5000 calls are supported on Cisco IOS Software Release 2.5, and up to 15000 calls on Release 2.6 and 3.1, and up to 16000 calls on Release 3.2 or later.

4 Ordering a Cisco Unified Border Element

You can order the Cisco Unified Border Element in two ways:

- Start with a base router and add the software and licenses individually to the order.
- Start with a bundle that includes some (or all) of what is necessary for the order and offers optional upgrade options. Some bundles are defined specifically for Cisco Unified Border Element deployments, or you can add SIP trunk capability (requiring Cisco Unified Border Element functions) to Cisco Unified Communications Manager Express (CME) or Cisco Survivable Remote Site Telephony (SRST) deployments and start with the bundles optimized for CME or SRST configurations.

4.1 Starting with a Router Platform

To order Cisco Unified Border Element starting with a platform, do the following:

Step 1. Select a platform from Table 1 or 2.

Step 2. Select a software image or package:

- If you are ordering a Cisco 2900, 3900 or 3900E Series platform, select one or more software packages from Table 5. The Unified Communications package is required; the Security package is optional.
- If you are ordering any other platform, select a software image from Table 1 or 2 that has the feature complement you require.

Step 3. Select a license from Table 3.

- If the Cisco Unified Border Element license option is not shown as a choice as part of the system order, order the license separately as a spare.

4.2 Starting with a Cisco Unified Border Element Bundle

A select number of Cisco Unified Border Element preconfigured bundles are available with the Cisco 2800, 3800, 2900, 3900, or 3900E Series platforms. These aggregate part numbers include the base router, an upgraded Cisco IOS Software image or packages, memory, some digital-signal-processor (DSP) resources, and a certain level of licenses. You can choose from bundles listed in Table 7 or 8.

To order starting with a Cisco Unified Border Element bundle, do the following:

Step 1. Select a platform bundle from Table 7 or 8.

Step 2. Check the license level included in the bundle (Table 7 or 8), and add additional licenses from Table 3 if required (not to exceed the maximum session count support for the platform as given in Table 6).

Table 7. Cisco 2800 and 3800 Series Platform Cisco Unified Border Element Bundles

Product Number	Descriptions
C2801-VSEC-CUBE/K9	Platform: Cisco 2801 platform with 64 MB flash/256 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSPs: PVDM2-8 Licenses: One FL-CUBE-25 (25 sessions)
C2811-VSEC-CUBE/K9	Platform: Cisco 2811 platform with 64 MB flash/256 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSP: PVDM2-16 Licenses: Three FL-CUBE-25 (75 sessions)
C2821-VSEC-CUBE/K9	Platform: Cisco 2821 platform with 64 MB flash/256 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSPs: PVDM2-32 Licenses: One FL-CUBE-100 (100 sessions)
C2851-VSEC-CUBE/K9	Cisco 2851 platform with 64 MB flash/256 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSPs: PVDM2-32 Licenses: One FL-CUBE-100 and one FL-CUBE-25 (125 sessions)
C3825-VSEC-CUBE/K9	Cisco 3825 platform with 128 MB flash/512 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSPs: PVDM2-64 Licenses: Three FL-CUBE-100 (300 sessions)

C3845-VSEC-CUBE/K9	Cisco 3845 platform with 128 MB flash/512 MB DRAM Software Image: INT VOICE/VIDEO, IPIP GW, TDMIP GW AES DSPs: PVDM2-64 Licenses: Four FL-CUBE-100 (400 sessions)
---------------------------	--

Table 8. Cisco 2900, 3900 and 3900E Series Platform Cisco Unified Border Element Bundles

Product Number	Descriptions
C2901-VSEC-CUBE/K9	Platform: Cisco 2901 platform with 256 MB flash/512 MB DRAM Software Image: Cisco 2901-2921 IOS UNIVERSAL DSPs: PVDM3-16 Licenses: One FL-CUBEE-25 (25 sessions)
C2911-VSEC-CUBE/K9	Platform: Cisco 2911 platform with 256 MB flash/512 MB DRAM Software Image: Cisco 2901-2921 IOS UNIVERSAL DSPs: PVDM3-16 Licenses: One FL-CUBEE-25 (25 sessions)
C2921-VSEC-CUBE/K9	Platform: Cisco 2921 platform with 256 MB flash/512 MB DRAM Software Image: Cisco 2901-2921 IOS UNIVERSAL DSPs: PVDM3-32 Licenses: One FL-CUBEE-25 (25 sessions)
C2951-VSEC-CUBE/K9	Platform: Cisco 2951 platform with 256 MB flash/512 MB DRAM Software Image: Cisco 2951 IOS UNIVERSAL DSPs: PVDM3-32 Licenses: One FL-CUBEE-25 (25 sessions)
C3925-VSEC-CUBE/K9	Platform: Cisco 3925 platform with 256 MB flash/1 GB DRAM Software Image: Cisco 3925-3945 IOS UNIVERSAL DSPs: PVDM3-64 Licenses: One FL-CUBEE-25 (25 sessions)
C3945-VSEC-CUBE/K9	Platform: Cisco 3945 platform with 256 MB flash/1 GB DRAM Software Image: Cisco 3925-3945 IOS UNIVERSAL DSPs: PVDM3-64 Licenses: One FL-CUBEE-25 (25 sessions)
C3925E-VSEC-CUBEK9	Platform: Cisco 3925E platform with 256 MB flash/1 GB DRAM Software Image: Cisco 3925-3945 SPE IOS UNIVERSAL DSPs: PVDM3-64 Licenses: One FL-CUBEE-25 (25 sessions)
C3945E-VSEC-CUBEK9	Platform: Cisco 3945E platform with 256 MB flash/1 GB DRAM Software Image: Cisco 3925-3945 SPE IOS UNIVERSAL DSPs: PVDM3-64 Licenses: One FL-CUBEE-25 (25 sessions)

4.3 Starting with a Unified Communications Bundle

To order Cisco Unified Border Element functions starting with a third-party unified border element bundle, do the following:

- Step 1. Select a platform bundle from Table 9, 10, or 11.
- Step 2. Check the software image included in the bundle (for the Cisco 2800 and 3800-based bundles), and select an upgrade if it does not contain the feature complement you require (refer to Table 1).
- Step 3. Select a license from Table 3 (not to exceed the maximum session capacity given in Table 6).

Table 9. Cisco 2900 and 3900 Series Platform Unified Communications Bundles

Product Number for –V Bundles	Product Number for –VSEC Bundles	Product Number for –CCME-SRST Bundles	Product Number for –VSEC-SRE Bundles
CISCO2901-V/K9	C2901-VSEC/K9	C2901-CCME-SRST/K9	C2901-VSEC-SRE/K9
CISCO2911-V/K9	C2911-VSEC/K9	C2911-CCME-SRST/K9	C2911-VSEC-SRE/K9
CISCO2921-V/K9	C2921-VSEC/K9	C2921-CCME-SRST/K9	C2921-VSEC-SRE/K9
CISCO2951-V/K9	C2951-VSEC/K9	C2951-CCME-SRST/K9	C2951-VSEC-SRE/K9
CISCO3925-V/K9	C3925-VSEC/K9	C3925-CCME-SRST/K9	C3925-VSEC-SRE/K9
CISCO3945-V/K9	C3945-VSEC/K9	C3945-CCME-SRST/K9	C3945-VSEC-SRE/K9
CISCO3925E-V/K9	C3925E-VSEC/K9	C3925E-CCME-SRST/K9	C3925E-VSEC-SRE/K9
CISCO3945E-V/K9	C3945E-VSEC/K9	C3945E-CCME-SRST/K9	C3945E-VSEC-SRE/K9

Table 10. Cisco 2800 and 3800 Series Platform Unified Communications Bundles

Product Number for –V Bundles	Product Number for –CCME Bundles	Product Number for –SRST Bundles	Product Number for –UC Bundles
CISCO2801-V/K9	CISCO2801-CCME/K9	CISCO2801-SRST/K9	C2801-10UC/K9
CISCO2811-V/K9	CISCO2811-CCME/K9	CISCO2811-SRST/K9	C2811-15UC/K9
CISCO2821-V/K9	CISCO2821-CCME/K9	CISCO2821-SRST/K9	C2821-25UC/K9
CISCO2851-V/K9	CISCO2851-CCME/K9	CISCO2851-SRST/K9	C2851-35UC/K9
CISCO3825-V/K9	CISCO3825-CCME/K9	CISCO3825-SRST/K9	C3825-35UC/K9
CISCO3845-V/K9	CISCO3845-CCME/K9	CISCO3845-SRST/K9	C3845-35UC/K9

Table 11. Cisco 2800 and 3800 Series Platform Unified Communications Bundles with Security

Product Number for –VSEC Bundles	Product Number for –H-VSEC Bundles	Product Number for –CCME Bundles	Product Number for –SRST Bundles
CISCO2801-VSEC/K9	CISCO2801-H-VSEC/K9	C2801-VSEC-CCME/K9	C2801-VSEC-SRST/K9
CISCO2811-VSEC/K9	CISCO2811-H-VSEC/K9	C2811-VSEC-CCME/K9	C2811-VSEC-SRST/K9
CISCO2821-VSEC/K9	CISCO2821-H-VSEC/K9	C2821-VSEC-CCME/K9	C2821-VSEC-SRST/K9
CISCO2851-VSEC/K9	CISCO2851-H-VSEC/K9	C2851-VSEC-CCME/K9	C2851-VSEC-SRST/K9
CISCO3825-VSEC/K9	CISCO3825-H-VSEC/K9	C3825-VSEC-CCME/K9	C3825-VSEC-SRST/K9
CISCO3845-VSEC/K9	CISCO3845-H-VSEC/K9	C3845-VSEC-CCME/K9	C3845-VSEC-SRST/K9

4.4 Ordering an Active/Standby Redundant Pair

To order a redundant pair of Cisco Unified Border Element platforms to be deployed in an Active/Standby configuration, do the following:

- Step 1. Select one of the following platform choices. Order two of these platforms, one for the Active, one for the Standby.
 - a. Select Cisco 2900, 3900, 3900E from Table 1, or
 - b. Select an ASR1001, ASR1002 or ASR1004 platform, or
 - c. Select a Cisco 2900, 3900, 3900E bundle from Table 8
- Step 2. Select a software image or package:
 - a. If you are ordering Cisco 2900, 3900 or 3900E Series platforms, select one or more software packages from Table 5. The Unified Communications package is required; the Security package is optional.
 - b. If you are ordering Cisco ASR1000 Series platforms, select a software image from Table 1 that has the feature complement you require.
- Step 3. Select a single Redundant-Platform license (to cover both the Active and Standby platforms) from Table 3.

5 Ordering a Cisco Gatekeeper

You can order the Cisco Gatekeeper in two ways:

- Start with a base router and add the software and licenses individually to the order.
- Start with a Cisco Unified Border Element bundle.

5.1 Starting with a Router Platform

To order a Cisco Gatekeeper starting with a platform chassis, do the following:

Step 1. Select a platform from Table 1.

Step 2. Select a software image or package:

- a. If you are ordering a Cisco 2900, 3900 or 3900E Series platform, select one or more software packages from Table 5. The Unified Communications package is required; the Security package is optional.
- b. If you are ordering any other platform, select a software image with the C feature capability from Table 1.

Step 3. Select a license from Table 4.

5.2 Starting with a Cisco Unified Border Element Bundle

A select number of preconfigured Cisco Unified Border Element bundles are available with the Cisco 2800, 3800, 3900 and 3900E Series platforms. For the Cisco 2800 and 3800 platforms the Cisco Gatekeeper shares licenses with the Cisco Unified Border Element, so you can use these bundles for Cisco Gatekeeper configurations also. For the Cisco 2900, 3900 and 3900E platforms the Cisco Gatekeeper has a separate license from the Cisco Unified Border Element, so you should add the Cisco Gatekeeper license to these bundles for Cisco Gatekeeper configurations.

To order starting with a Cisco Unified Border Element bundle, do the following:

Step 1. Select a platform bundle from Table 7 or 8.

Step 2. For the Cisco 2800 and 3800 platforms, check the license level included in the bundle (Table 7), and add additional licenses from Table 4 if you are using a pay-as-you-grow license. For the Cisco 2900, 3900 and 3900E platforms, select a Cisco Gatekeeper license from Table 4 to add.

6 For More Information

To obtain current information about prices for individual product numbers, refer to the Cisco price list.

More information about the [Cisco Unified Border Element](#), please visit www.cisco.com/go/cube.

For more information about [Cisco IOS Software Activation and Licensing](#), please visit www.cisco.com/go/sa.

7 Marketing Contacts

For any questions or comments, please contact ask-cube@external.cisco.com.




Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)