



Cisco IOS Software Release 12.4(6)XE

PRODUCT OVERVIEW

This product bulletin provides content and delivery information for Cisco IOS® Software Special Release 12.4(6)XE. It should be used in conjunction with the release notes for Cisco IOS Software Release 12.4T at <http://www.cisco.com/en/US/products/ps6824/index.html>, because 12.4(6)T is the parent release of 12.4(6)XE.

This product bulletin lists only the features in Cisco IOS Software Release 12.4(6)XE (see Table 1) that are new to the respective routers; more information is available in the release at http://www.cisco.com/en/US/products/ps6441/prod_release_notes_list.html. Customers should be prepared to upgrade using the migration path described in the “Upgrade Paths” section.

Table 1. Cisco IOS Software Release 12.4(6)XE Features

Feature	Description
Cisco® 3270 Rugged Router	The Cisco 3270 is a high-performance processor card designed to support multiple applications running concurrently over wired or wireless networks. With onboard hardware encryption, the Cisco 3270 offloads encryption processing from the router CPU to provide secure, yet scalable video, voice, and data services for outdoor and mobile networks.
Mobile IP support for RFC3519 Network Address Translation (NAT) traversal on the Cisco 3200 Mobile Access Router	Provides NAT traversal capability to the mobile router for it to operate when registering to the home agent using a co-located care of address (COA).
Dual tone multifrequency (DTMF) relay, fax relay, and modem relay for Skinny Client Control Protocol (SCCP) Foreign Exchange Station (FXS) ports in Cisco IOS Software	Enhances the transmission of DTMF digits, faxes, and modems between SCCP FXS ports in Cisco IOS Software and other Cisco IOS Software gateways. DTMF digit transmission is supported by using RFC2833. Cisco Fax Relay, Cisco T.38 Fax Relay, and Cisco Modem Relay are supported using Names Signaling Events (NSE).
Feature mode for SCCP FXS ports in Cisco IOS Software	Feature mode for SCCP-controlled Cisco IOS Software FXS (analog) ports. For simple calls, the feature mode is indistinguishable from the standard mode. While on calls, users use the flash button or hook flash to get a second dial tone to dial a second party. However, users then must enter feature codes to transfer the call or establish a conference.
Visual Message Waiting Indication (VMWI) for SCCP FXS ports	VMWI for SCCP-controlled Cisco IOS Software FXS (analog) ports allows any Cisco IOS Software FXS port controlled by Cisco Unified CallManager or Cisco Unified CallManager Express to light a message waiting indication lamp on an analog phone using FSK lamps. X, Y, and Z will also be able to light message waiting indication lamps using a 90V surge.
H.323 to Session Initiation Protocol (SIP) supplementary feature interworking for session border controller (SBC)	H.323 to SIP for IP-to-IP gateway provides enhanced termination and reorigination of both signaling and media between voice-over-IP (VoIP) and video networks using H.323 and SIP signaling in conformance with RFC3261.
Cisco cable modem high-speed WAN interface cards (HWICs)	Cisco cable modem HWICs are configured automatically by the network (in compliance with DOCSIS provisioning specifications). The configuration file is defined and generated by the cable service provider and delivered over the WAN/DOCSIS network through the RF interface on the Cisco cable modem HWIC installed in the router. The HWIC provides a path from the router to the service provider network-based Dynamic Host Configuration Protocol (DHCP) server for host address assignment on the Cisco cable modem HWIC and on the WAN interface of the router.

NEW FEATURES

Cisco Cable Modem High-Speed WAN Interface Cards

- Provide quality of service (QoS) upstream flow control, integrating DOCSIS QoS with Cisco IOS Software QoS and packet cable multimedia (PCMM) architecture QoS with Cisco IOS Software QoS.
- Use Cisco IOS Software to deliver advanced network services and applications.
- Support compression and decompression algorithms (codecs).

Mobile IP Support for NAT Traversal

The Mobile IP Support for RFC3519 NAT Traversal on Cisco 3200 Series Wireless and Mobile Routers feature extends support for NAT traversal to the mobile router in the scenario in which there is no foreign agent and the mobile router needs to register to the home agent directly using a private CCOA.

NAT traversal is based on the RFC3519 specification and defines how mobile IP should operate to traverse networks that deploy NAT within their network. NAT traversal allows mobile IP to interoperate with networks that have NAT enabled by providing an alternative method for tunneling mobile IP data traffic. New extensions in the mobile IP registration request and reply messages have been added that establish User Datagram Protocol (UDP) tunneling.

For further information about this feature, go to

http://www.cisco.com/en/US/products/ps6706/products_feature_guide09186a008073b4b1.html.

Modified CLI Command

The **service declassify** command has been modified with this release.

To enable the declassification function to monitor the trigger signals from the declassification trigger, use the **service declassify** command in global configuration mode. To disable the declassification function, use the no form of this command.

service declassify [erase-default | erase-flash | erase-nvram | erase-all] [trigger AUX | GPIO]

no service declassify [erase-default | erase-flash | erase-nvram | erase-all] [trigger AUX | GPIO]

The following options were added to the **service declassify** command:

- **trigger**, **AUX**, and **GPIO** (General Purpose Input Output)

- The **trigger** option enables the declassification trigger source.

- The **AUX** option enables the declassification trigger on the AUX port CTS pin. This is the default trigger source.

- The **GPIO** option enables the declassification trigger on the actuator.

The trigger option is supported on customized Cisco 3270 router boards only. The system integrator needs to install a special cable or actuator so the GPIO trigger source can be used on the customized boards. For Cisco 3270 routers with standard enclosures, the trigger option does not need to be configured.

After declassification is enabled and the AUX port is selected as the trigger source, the Aux port on the router should not be used for any other functions, or the router might receive false trigger signals. On certain customized Cisco 3270 routers, you can enable declassification and select the special actuator connecting the GPIO port as the trigger source. In this case, the AUX port can still be used for regular data functions.

UPGRADE PATHS

CISCO IOS Software Special Release 12.4(6)XE is a short-lived release. It is based on the third release of 12.4T: Release 12.4(6)T. It will migrate into the sixth release of 12.4T. Customers should be prepared to migrate to the sixth release of 12.4T when it is available.

AVAILABILITY

Cisco IOS Software Special Release 12.4(6)XE is targeted for June 26, 2006.

ORDERING INFORMATION

Table 2 gives ordering information for Cisco IOS Software Release 12.4(6)XE feature sets, including part numbers for ordering and memory recommendations.

Table 2. Ordering Information for Cisco IOS Software Release 12.4(6)XE Feature Sets

Platform	Image Name	Software Product Description	Product Code	Recommend Memory	
				Flash	DRAM
Cisco 1841 Integrated Services Router	c1841-adventerprisek9-mz	Cisco 1841 IOS ADVANCED ENTERPRISE SERVICES	S184AESK9-12406XE	64	192
Cisco 1841	c1841-adventerprisek9-mz	Cisco 1841 IOS AISK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UAESK9-12406XE	64	192
Cisco 1841	c1841-adventerprisek9-mz	Cisco 1841 IOS ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UASK9A-12406XE	64	192
Cisco 1841	c1841-adventerprisek9-mz	Cisco 1841 IOS BB-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UBB-12406XE	64	192
Cisco 1841	c1841-advipservicesk9-mz	Cisco 1841 IOS ADVANCED IP SERVICES	S184AISK9-12406XE	64	192
Cisco 1841	c1841-advipservicesk9-mz	Cisco 1841 IOS ASK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UASK9B-12406XE	64	192
Cisco 1841	c1841-advipservicesk9-mz	Cisco 1841 IOS BB-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UAISK9-12406XE	64	192
Cisco 1841	c1841-advsecurityk9-mz	Cisco 1841 IOS ADVANCED SECURITY	S184ASK9-12406XE	32	192
Cisco 1841	c1841-advsecurityk9-mz	Cisco 1841 IOS BB-ASK9 FEAT SET FACTORY UPG FOR BUNDLES	S184UASK9-12406XE	32	192
Cisco 1841	c1841-broadband-mz	Cisco 1841 IOS BROADBAND	S184BB-12406XE	32	128
Cisco 1841	c1841-entbase-mz	Cisco 1841 IOS ENTERPRISE BASE W/O CRYPTO	S184EB-12406XE	32	128
Cisco 1841	c1841-entbasek9-mz	Cisco 1841 IOS ENTERPRISE BASE	S184EBK9-12406XE	32	128
Cisco 1841	c1841-entservices-mz	Cisco 1841 IOS ENTERPRISE SERVICES W/O CRYPTO	S184ES-12406XE	64	192
Cisco 1841	c1841-entservicesk9-mz	Cisco 1841 IOS ENTERPRISE SERVICES	S184ESK9-12406XE	64	192
Cisco 1841	c1841-ipbase-mz	Cisco 1841 IOS IP BASE W/O CRYPTO	S184IPB-12406XE S184IPB-12406XE=	32	128
Cisco 1841	c1841-ipbasek9-mz	Cisco 1841 IOS IP BASE	S184IPBK9-12406XE S184IPBK9-12406XE=	32	128
Cisco 1841	c1841-spservicesk9-mz	Cisco 1841 IOS SP SERVICES	S184SPSK9-12406XE	64	128
Cisco 1841	c1841-spservicesk9-mz	Cisco 1841 IOS BB-SPSK9 FEAT SET FACTORY UPG FOR BUNDLES	S184USPSK9-12406XE	64	128
Cisco IAD2430 Integrated Access Device	c2430-i6k9o3s-mz	Cisco 2430 Series IOS IP SUBSET/IPSEC 64BIT/FW/VOICE	S243VGK9-12406XE S243VGK9-12406XE=	64	128
Cisco IAD2430	c2430-i6s-mz	Cisco 2430 Series IOS IP SUBSET/VOICE	S243VG-12406XE S243VG-12406XE=	64	128
Cisco IAD2431 and IAD2432 Series Integrated Access Devices	c2430-ik9o3s-mz	Cisco 2430 Series IOS IP PLUS/IPSEC 64BIT/FW/VOICE	S243CHK9-12406XE S243CHK9-12406XE=	64	128
Cisco IAD2431 and IAD2432 Series	c2430-is-mz	Cisco 2430 Series IOS IP PLUS	S243CP-12406XE S243CP-12406XE=	64	128

Cisco 2811, 2821, and 2851 Integrated Services Routers	c2800nm-adventerprisek9-mz	Cisco 2800 ADVANCED ENTERPRISE SERVICES	S28NAESK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-adventerprisek9-mz	Cisco 2800 AISK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S28NUAESK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-adventerprisek9-mz	Cisco 2800 ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S28NUASK9A-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-adventerprisek9_ivs-mz	Cisco 2800 INT VOICE/VIDEO, IPIPGW, TDMIP GW AES	S28NAVSK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-adventerprisek9_sna-mz	Cisco 2800 ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING	S28NSNAK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-advipservicesk9-mz	Cisco 2800 ADVANCED IP SERVICES	S28NAISK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-advipservicesk9-mz	Cisco 2800 SPSK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S28NUAISK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-advipservicesk9-mz	Cisco 2800 ASK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S28NUASK9B-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-advsecurityk9-mz	Cisco 2800 ADVANCED SECURITY	S28NASK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-entbase-mz	Cisco 2800 ENTERPRISE BASE W/O CRYPTO	S28NEB-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-entbasek9-mz	Cisco 2800 ENTERPRISE BASE	S28NEBK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-entservices-mz	Cisco 2800 ENTERPRISE SERVICES W/O CRYPTO	S28NES-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-entservicesk9-mz	Cisco 2800 ENTERPRISE SERVICES	S28NESK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-entservicesk9-mz	Cisco 2800 SPSK9-ESK9 FEAT SET FACTORY UPG FOR BUNDLES	S28NUESK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-ipbase-mz	Cisco 2800 IP BASE W/O CRYPTO	S28NIPB-12406XE S28NIPB-12406XE=	64	256
Cisco 2811, 2821, and 2851	c2800nm-ipbasek9-mz	Cisco 2800 IP BASE	S28NIPBK9-12406XE S28NIPBK9-12406XE=	64	256
Cisco 2811, 2821, and 2851	c2800nm-ipvoice-mz	Cisco 2800 IP VOICE W/O CRYPTO	S28NIPV-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-ipvoice_ivs-mz	Cisco 2800 INT VOICE/VIDEO, IPIPGW, TDMIP GW	S28NIVS-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-ipvoicek9-mz	Cisco 2800 IP VOICE	S28NIPVK9-12406XE	64	256
Cisco 2811, 2821, and 2851	c2800nm-spservicesk9-mz	Cisco 2800 SP SERVICES	S28NSPSK9-12406XE	64	256
Cisco 2801 Integrated Services Router	c2801-adventerprisek9-mz	Cisco 2801 IOS ADVANCED ENTERPRISE SERVICES	S280AESK9-12406XE	64	192
Cisco 2801	c2801-adventerprisek9-mz	Cisco 2801 IOS AISK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S280UAESK9-12406XE	64	192
Cisco 2801	c2801-adventerprisek9-mz	Cisco 2801 IOS ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S280UASK9A-12406XE	64	192
Cisco 2801	c2801-adventerprisek9_ivs-mz	Cisco 2801 IOS INT VOICE/VIDEO, IPIPGW, TDMIP GW AES	S280AVSK9-12406XE	64	256
Cisco 2801	c2801-advipservicesk9-mz	Cisco 2801 IOS ADVANCED IP SERVICES	S280AISK9-12406XE	64	192
Cisco 2801	c2801-advipservicesk9-mz	Cisco 2801 IOS SPSK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S280UAISK9-12406XE	64	192

Cisco 2801	c2801-advipservicesk9-mz	Cisco 2801 IOS ASK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S280UASK9B-12406XE	64	192
Cisco 2801	c2801-advsecurityk9-mz	Cisco 2801 IOS ADVANCED SECURITY	S280ASK9-12406XE	64	192
Cisco 2801	c2801-entbase-mz	Cisco 2801 IOS ENTERPRISE BASE W/O CRYPTO	S280EB-12406XE	64	128
Cisco 2801	c2801-entbasek9-mz	Cisco 2801 IOS ENTERPRISE BASE	S280EBK9-12406XE	64	128
Cisco 2801	c2801-entservices-mz	Cisco 2801 IOS ENTERPRISE SERVICES W/O CRYPTO	S280ES-12406XE	64	192
Cisco 2801	c2801-entservicesk9-mz	Cisco 2801 IOS ENTERPRISE SERVICES	S280ESK9-12406XE	64	192
Cisco 2801	c2801-entservicesk9-mz	Cisco 2801 IOS SPSK9-ESK9 FEAT SET FACTORY UPG FOR BUNDLES	S280UESK9-12406XE	64	192
Cisco 2801	c2801-ipbase-mz	Cisco 2801 IOS IP BASE W/O CRYPTO	S280IPB-12406XE S280IPB-12406XE=	64	128
Cisco 2801	c2801-ipbasek9-mz	Cisco 2801 IOS IP BASE	S280IPBK9-12406XE S280IPBK9-12406XE=	64	128
Cisco 2801	c2801-ipvoice-mz	Cisco 2801 IOS IP VOICE W/O CRYPTO	S280IPV-12406XE	64	192
Cisco 2801	c2801-ipvoice_ivs-mz	Cisco 2801 IOS INT VOICE/VIDEO, IPIP GW, TDMIP GW	S280IVS-12406XE	64	256
Cisco 2801	c2801-ipvoicek9-mz	Cisco 2801 IOS IP VOICE	S280IPVK9-12406XE	64	192
Cisco 2801	c2801-spservicesk9-mz	Cisco 2801 IOS SP SERVICES	S280SPSK9-12406XE	64	192
Cisco 2801	c2801-spservicesk9-mz	Cisco 2801 IOS SPSK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S280USPSK9-12406XE	64	192
Cisco 3220 Mobile Access Router	c3220-adventerprisek9-mz	Cisco 3220 ADVANCED ENTERPRISE SERVICES	S322AESK9-12406XE S322AESK9-12406XE=	32	128
Cisco 3250 Mobile Access Router	c3250-adventerprisek9-mz	Cisco 3200 Series IOS ADVANCED ENTERPRISE SERVICES	S320AESK9-12406XE S320AESK9-12406XE=	32	128
Cisco 3250	c3250-entbase-mz	Cisco 3200 Series IOS ENTERPRISE BASE	S320EB-12406XE S320EB-12406XE=	32	128
Cisco 3270	c3270-adventerprisek9-mz	Cisco 3270 ADVANCED ENTERPRISE SERVICES	S327AESK9-12406XE S327AESK9-12406XE=	64	256
Cisco 3270	c3270-entbase-mz	Cisco 3270 ENTERPRISE BASE W/O CRYPTO	S327EB-12406XE S327EB-12406XE=	64	256
Cisco 3825 Integrated Services Router	c3825-adventerprisek9-mz	Cisco 3825 ADVANCED ENTERPRISE SERVICES	S382AESK9-12406XE	64	256
Cisco 3825	c3825-adventerprisek9-mz	Cisco 3825 AISK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S382UASK9-12406XE	64	256
Cisco 3825	c3825-adventerprisek9-mz	Cisco 3825 ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S382UASK9A-12406XE	64	256
Cisco 3825	c3825-adventerprisek9-mz	Cisco 3825 SPSK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S382USPSK9-12406XE	64	256
Cisco 3825	c3825-adventerprisek9_ivs-mz	Cisco 3825 INT VOICE/VIDEO, IPIPGW, TDMIP GW AES	S382AVSK9-12406XE	64	256
Cisco 3825	c3825-adventerprisek9_sna-mz	Cisco 3825 ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING	S382SNAK9-12406XE	64	256
Cisco 3825	c3825-advipservicesk9-mz	Cisco 3825 ADVANCED IP SERVICES	S382AISK9-12406XE	64	256
Cisco 3825	c3825-advipservicesk9-mz	Cisco 3825 ASK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S382UASK9B-12406XE	64	256
Cisco 3825	c3825-advipservicesk9-mz	Cisco 3825 SPSK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S382UAISK9-12406XE	64	256

Cisco 3825	c3825-advsecurityk9-mz	Cisco 3825 ADVANCED SECURITY	S382ASK9-12406XE	64	256
Cisco 3825	c3825-entbase-mz	Cisco 3825 ENTERPRISE BASE W/O CRYPTO	S382EB-12406XE	64	256
Cisco 3825	c3825-entbasek9-mz	Cisco 3825 ENTERPRISE BASE	S382EBK9-12406XE	64	256
Cisco 3825	c3825-entservices-mz	Cisco 3825 ENTERPRISE SERVICES W/O CRYPTO	S382ES-12406XE	64	256
Cisco 3825	c3825-entservicesk9-mz	Cisco 3825 ENTERPRISE SERVICES	S382ESK9-12406XE	64	256
Cisco 3825	c3825-entservicesk9-mz	Cisco 3825 SPSK9-ESK9 FEAT SET FACTORY UPG FOR BUNDLES	S382UESK9-12406XE	64	256
Cisco 3825	c3825-ipbase-mz	Cisco 3825 IP BASE W/O CRYPTO	S382IPB-12406XE S382IPB-12406XE=	64	256
Cisco 3825	c3825-ipbasek9-mz	Cisco 3825 IP BASE	S382IPBK9-12406XE S382IPBK9-12406XE=	64	256
Cisco 3825	c3825-ipvoice-mz	Cisco 3825 IP VOICE W/O CRYPTO	S382IPV-12406XE	64	256
Cisco 3825	c3825-ipvoice_ivs-mz	Cisco 3825 INT VOICE/VIDEO, IPIP GW, TDMIP GW	S382IVS-12406XE	64	256
Cisco 3825	c3825-ipvoicek9-mz	Cisco 3825 IP VOICE	S382IPVK9-12406XE	64	256
Cisco 3825	c3825-spservicesk9-mz	Cisco 3825 SP SERVICES	S382SPSK9-12406XE	64	256
Cisco 3845 Integrated Services Router	c3845-adventerprisek9-mz	Cisco 3845 ADVANCED ENTERPRISE SERVICES	S384AESK9-12406XE	64	256
Cisco 3845	c3845-adventerprisek9-mz	Cisco 3845 AISK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S384UAESK9-12406XE	64	256
Cisco 3845	c3845-adventerprisek9-mz	Cisco 3845 ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S384UASK9A-12406XE	64	256
Cisco 3845	c3845-adventerprisek9-mz	Cisco 3845 SPSK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S384USPSK9-12406XE	64	256
Cisco 3845	c3845-adventerprisek9_ivs-mz	Cisco 3845 INT VOICE/VIDEO, IPIPGW, TDMIP GW AES	S384AVSK9-12406XE	64	256
Cisco 3845	c3845-adventerprisek9_sna-mz	Cisco 3845 ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING	S384SNAK9-12406XE	64	256
Cisco 3845	c3845-advipservicesk9-mz	Cisco 3845 ADVANCED IP SERVICES	S384AISK9-12406XE	64	256
Cisco 3845	c3845-advipservicesk9-mz	Cisco 3845 ASK9-AESK9 FEAT SET FACTORY UPG FOR BUNDLES	S384UASK9B-12406XE	64	256
Cisco 3845	c3845-advipservicesk9-mz	Cisco 3845 SPSK9-AISK9 FEAT SET FACTORY UPG FOR BUNDLES	S384UAISK9-12406XE	64	256
Cisco 3845	c3845-advsecurityk9-mz	Cisco 3845 ADVANCED SECURITY	S384ASK9-12406XE	64	256
Cisco 3845	c3845-entbase-mz	Cisco 3845 ENTERPRISE BASE W/O CRYPTO	S384EB-12406XE	64	256
Cisco 3845	c3845-entbasek9-mz	Cisco 3845 ENTERPRISE BASE	S384EBK9-12406XE	64	256
Cisco 3845	c3845-entservices-mz	Cisco 3845 ENTERPRISE SERVICES W/O CRYPTO	S384ES-12406XE	64	256
Cisco 3845	c3845-entservicesk9-mz	Cisco 3845 ENTERPRISE SERVICES	S384ESK9-12406XE	64	256
Cisco 3845	c3845-entservicesk9-mz	Cisco 3845 SPSK9-ESK9 FEAT SET FACTORY UPG FOR BUNDLES	S384UESK9-12406XE	64	256
Cisco 3845	c3845-ipbase-mz	Cisco 3845 IP BASE W/O CRYPTO	S384IPB-12406XE S384IPB-12406XE=	64	256
Cisco 3845	c3845-ipbasek9-mz	Cisco 3845 IP BASE	S384IPBK9-12406XE S384IPBK9-12406XE=	64	256
Cisco 3845	c3845-ipvoice-mz	Cisco 3845 IP VOICE W/O CRYPTO	S384IPV-12406XE	64	256

Cisco 3845	c3845-ipvoice_ivs-mz	Cisco 3845 INT VOICE/VIDEO, IPIP GW, TDMIP GW	S384IVS-12406XE	64	256
Cisco 3845	c3845-ipvoicek9-mz	Cisco 3845 IP VOICE	S384IPVK9-12406XE	64	256
Cisco 3845	c3845-spservicesk9-mz	Cisco 3845 SP SERVICES	S384SPSK9-12406XE	64	256
Cisco AS5350XM Universal Gateway	c5350-ik9s-mz	Cisco AS5350 IOS IP PLUS IPSEC 3DES	S535CK9-12406XE S535CK9-12406XE=	64	256
Cisco AS5350XM	c5350-ik9su2-mz	Cisco AS5350 IOS IP PLUS IPSEC 3DES LAWFUL INTERCEPT	S535CK9U-12406XE S535CK9U-12406XE=	64	256
Cisco AS5350XM	c5350-is-mz	Cisco AS5350 IOS IP PLUS	S535CP-12406XE S535CP-12406XE=	64	256
Cisco AS5350XM	c5350-jk9s-mz	Cisco AS5350 IOS ENTERPRISE PLUS IPSEC 3DES	S535AK9-12406XE S535AK9-12406XE=	64	256
Cisco AS5350XM	c5350-js-mz	Cisco AS5350 IOS ENTERPRISE PLUS	S535AP-12406XE S535AP-12406XE=	64	256
Cisco AS5350XM	c5400-ik9s-mz	Cisco AS5400 IOS IP PLUS IPSEC 3DES	S54CK9-12406XE S54CK9-12406XE=	64	512
Cisco AS5350XM	c5400-ik9su2-mz	Cisco AS5400 IOS IP PLUS IPSEC 3DES LAWFUL INTERCEPT	S54CK9U-12406XE S54CK9U-12406XE=	64	512
Cisco AS5350XM	c5400-is-mz	Cisco AS5400 IOS IP PLUS	S54CP-12406XE S54CP-12406XE=	64	512
Cisco AS5350XM	c5400-jk9s-mz	Cisco AS5400 IOS ENTERPRISE PLUS IPSEC 3DES	S54AK9-12406XE S54AK9-12406XE=	64	512
Cisco AS5350XM	c5400-js-mz	Cisco AS5400 IOS ENTERPRISE PLUS	S54AP-12406XE S54AP-12406XE=	64	512
Cisco 815 Integrated Services Router	c815-advipservicesk9-mz	Cisco 800 ADV. IP SERVICES	S815AISK9-12406XE S815AISK9-12406XE=	32	160
Cisco 815	c815-ipbase-mz	Cisco 800 IP BASE W/O CRYPTO	S815IPB-12406XE S815IPB-12406XE=	32	64
Cisco VG224	vg224-i6k9s-mz	Cisco VG200 Series IP SUBSET/IPSEC 64 BIT/VOICE	SVGVGK9-12406XE SVGVGK9-12406XE=	64	128
Cisco VG224	vg224-i6s-mz	Cisco VG200 Series IP SUBSET/VOICE	SVGVG-12406XE SVGVG-12406XE=	64	128

FOR MORE INFORMATION

For more information about the Cisco 12.4(6)XE visit http://www.cisco.com/en/US/products/ps6706/prod_release_notes_list.html or contact your local account.



Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on the **Cisco.com Website at www.cisco.com/go/offices.**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Cyprus • Czech Republic
Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel • Italy
Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal
Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden
Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2006 Cisco Systems, Inc. All rights reserved. CCSP, CCVP, the Cisco Square Bridge logo, Follow Me Browsing, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, FormShare, GigaStack, HomeLink, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, Linksys, MeetingPlace, MGX, the Networkers logo, Networking Academy, Network Registrar, Packet, PIX, Post-Routing, Pre-Routing, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website 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. (0601R)

Printed in USA

C25-359982-00 08/06