



PRODUCT BULLETIN NO. 2681

## CISCO IOS SOFTWARE RELEASE 12.3(8)YG

### PRODUCT OVERVIEW

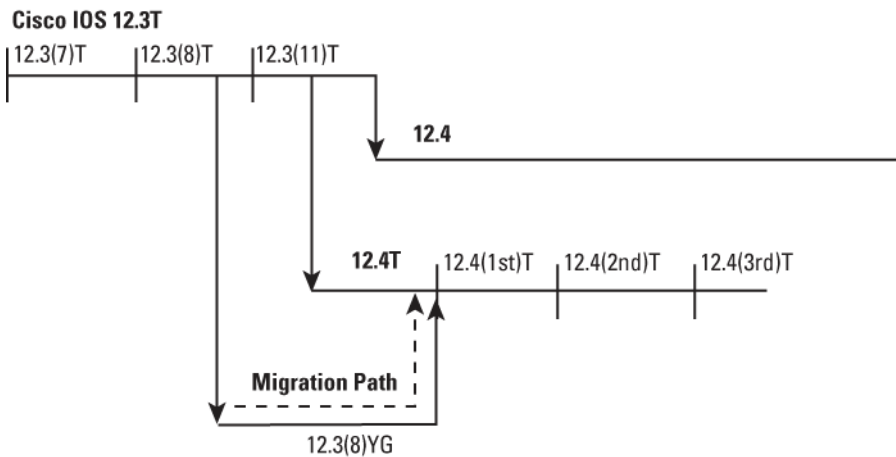
This product bulletin describes the content and delivery information for Cisco® IOS® Software Release 12.3(8)YG. It should be used in conjunction with the Cisco IOS Software Release 12.3T product bulletin. Cisco IOS Software Release 12.3(8)YG is a short-lived, early deployment release that will migrate in the first release of Cisco IOS Software Release 12.4T. It supports the Cisco 830 Series routers (Cisco 831, Cisco 836, Cisco 837), Cisco SOHO90 Series routers (SOHO91, SOHO96, SOHO97), 1700 Series routers (Cisco 1701, Cisco 1711, Cisco 1712, Cisco 1721, Cisco 1751, Cisco 1751-V, and Cisco 1760), and Cisco 1800 Series (Cisco 1841).

In addition to the supported features described in this product bulletin, additional information is available in the release notes for Cisco IOS Software Release 12.3(8)YG.

**Note:** This product bulletin only lists features which are new to the respective routers.

Customers should be prepared to upgrade using the migration path described in Figure 1.

**Figure 1.** Cisco IOS Software Release 12.3(8)YG Release Train and Migration Guide



## DETAILED INFORMATION

### New Features

#### RBE Client Side Encapsulation with QoS

- Cisco 17xx and Cisco 1841—All feature sets
- Cisco 836, Cisco 837—All feature sets
- Cisco SOHO 96, Cisco SOHO 97 (without QoS support)—All feature sets

Due to new developments in the DSLAM market regarding DSLAMs with Gigabit backhaul instead of the more traditional ATM backhaul, PPPoA and RFC1483 routed encapsulation normally used for higher end DSL services are no longer an option (unless in the rare case where termination of these services are supported in the DSLAM). Routing with bridged encapsulation allows the router to transmit and receive bridge encapsulated RFC1483 frames and route them to and from the internal network while allowing for QoS features to be applied as supported by the IOS feature sets.

#### DMZ Ethernet as Backup Interface

- Cisco 831, Cisco 836, Cisco 837—All feature sets

Support of the DMZ Ethernet port as backup interface, supporting Static address, DHCP client or PPPoE client. Ethernet 2 interface can be enabled on Cisco 830 series and as such port 4 on the switch will be the physical representation of this port.

#### WIC-1SHDSL-V2 on Cisco 1841

- Cisco 1841—All feature sets

The WIC-1SHDSL-V2 interface card is supported on the Cisco 1721, 1751 and Cisco 1760 modular access routers since the 12.3(4)XG release which migrated into the 5th release of 12.3T (i.e. 12.3(11)T). With this 12.3(8)YG release, the WIC-1SHDSL-V2 is now also supported on the Cisco 1841 integrated services router.

## NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.3(8)YG

Table 1 lists the features delivered in the Cisco IOS Software Release 12.3(8)YG.

**Table 1.** Cisco IOS Software Release 12.3(8)YG Features

Product Model	SOHO91	SOHO96	SOHO97	Cisco 827-4V	Cisco 828	Cisco 831	Cisco 836	Cisco 837
<b>New Software Features</b>								
RBE client side encapsulation with QoS	—	X	X	—	—	—	X	X
DMZ Ethernet as backup interface	—	—	—	—	—	X	X	X
Product Model	Cisco 1701	Cisco 1711	Cisco 1712	Cisco 1721	1751/1751-V	Cisco 1760	Cisco 1841	
<b>New Software Features</b>								
RBE client side encapsulation with QoS	X	X	X	X	X	X	X	

Product Model	Cisco 1701	Cisco 1711	Cisco 1712	Cisco 1721	1751/1751-V	Cisco 1760	Cisco 1841
<b>New Hardware Features</b>							
WIC-1SHDSL-V2	—	—	—	—	—	—	X

**Table 2.** Image Product Numbers and Descriptions for the SOHO 90 and Cisco 830 Series

Product	Feature Set	RBE with QoS	Backup Ethernet WAN interface
831	c831-k9o3sy6-mz	No	Yes
	c831-k9o3y6-mz	No	Yes
836	c836-k9o3s8y6-mz	Yes	Yes
	c836-k9o3sy6-mz	Yes	Yes
	c836-k9o3y6-mz	Yes	Yes
837	c837-k9o3sy6-mz	Yes	Yes
	c837-k9o3y6-mz	Yes	Yes
SOHO91	soho91-k9oy6-mz	No	No
SOHO96	soho96-k9oy1-mz	Yes	No
SOHO97	soho97-k9oy1-mz	Yes	No
	soho97-oy1-mz	Yes	No

**Table 3.** Image Product Numbers and Descriptions for the Cisco 1700 Access Router Series and Cisco 1800 Integrated Services Router Series (Modular)

Product	Feature Set	RBE w/QoS
17xx	c1700-y7-mz	Yes
	c1700-sy7-mz	Yes
	c1700-sv8y7-mz	Yes
	c1700-k9o3sy7-mz	Yes
	c1700-bk9no3r2sy7-mz	Yes
	c1700-ipbase-mz	Yes
	c1700-advsecurityk9-mz	Yes
	c1700-spservicesk9-mz	Yes
	c1700-advipservicesk9-mz	Yes
	c1700-entservicesk9-mz	Yes
	c1700-adventerprisek9-mz	Yes
1841	c1841-adventerprisek9-mz	Yes
	c1841-advipservicesk9-	Yes
	c1841-advsecurityk9-mz	Yes
	c1841-entservicesk9-mz	Yes
	c1841-ipbase-mz	Yes
	c1841-spservicesk9-mz	Yes
	c1841-broadband-mz	Yes

**Table 4.** Feature Sets and Ordering Information for Cisco IOS Software Release 12.3(8)YG for 830 Series and SOHO 90 Series

Cisco 830 and Cisco SOHO 90 Series Platforms				Recommended Memory	
Product	Software Product Description	Image File Name	Part Number	Flash	DRAM
831	Cisco 831 Series IOS IP/FW 3DES	c831-k9o3y6-mz	S831CHK9-12308YG S831CHK9-12308YG=	12MB	48MB
831	Cisco 831 Series IOS IP/FW/PLUS 3DES	c831-k9o3sy6-mz	S831CHPK9-12308YG S831CHPK9-12308YG=	12MB	48MB
836	Cisco 836 Series IOS IP/FW 3DES	c836-k9o3y6-mz	S836CHK9-12308YG S836CHK9-12308YG=	12MB	48MB
836	Cisco 836 Series IOS IP/FW/PLUS 3DES	c836-k9o3sy6-mz	S836CHPK9-12308YG S836CHPK9-12308YG=	12MB	48MB
836	Cisco 836 Series IOS IP/FW/PLUS ISDN DIAL BKUP 3DES VPN	c836-k9o3s8y6-mz	S836CHSK9-12308YG S836CHSK9-12308YG=	12MB	48MB
837	Cisco 837 Series IOS IP/FW 3DES	c837-k9o3y6-mz	S837CHK9-12308YG S837CHK9-12308YG=	12MB	48MB
837	Cisco 837 Series IOS IP/FW/PLUS 3DES	c837-k9o3sy6-mz	S837CHPK9-12308YG S837CHPK9-12308YG=	12MB	48MB
SOHO 91	Cisco SoHo91 Series IOS IP/FW 3DES	soho91-k9oy6-mz	SSH91CHK9-12308YG SSH91CHK9-12308YG=	8MB	32MB
SOHO 96	Cisco SoHo96 Series IOS IP/FW 3DES	soho96-k9oy1-mz	SSH96CHK9-12308YG SSH96CHK9-12308YG=	8MB	32MB
SOHO 97	Cisco SoHo97 Series IOS IP/FW 3DES	soho97-k9oy1-mz	SSH97CHK9-12308YG SSH97CHK9-12308YG=	8MB	32MB

**Table 5.** Feature Sets and Ordering Information for Cisco IOS Software Release 12.3(8)YG for Cisco 1700 Access Router Series

Platform/Product	Software Product Description	Image File Name	Part Number	Recommended Memory	
				Flash	DRAM
<b>Cisco 1700 Series Legacy Images</b>					
1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS IP/ADSL	c1700-y7-mz	S17C7-12308YG S17C7-12308YG=	32 MB	64 MB
1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS IP/ADSL PLUS	c1700-sy7-mz	S17C7P-12308YG	32 MB	96 MB
1701, 1711, 1712, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS IP/ADSL/FW/IDS PLUS IPSEC 3DES	c1700-k9o3sy7-mz	S17C7HK9-12308YG	32 MB	96 MB
1701, 1711, 1712, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS IP/ADSL/IPX/AT/IBM/FWIDS PLUS IPSEC 3DES	c1700-bk9no3r2sy7-mz	S17Q7HK9-12308YG	32 MB	128 MB
1751, 1751-V, 1760	Cisco 1700 Series IOS IP/ADSL/VOX PLUS	c1700-sv8y7-mz	S17C7V8P-12308YG S17C7V8P-12308YG=	32 MB	128 MB
<b>Cisco 1700 Series Cross-Platform Images</b>					
1701, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS IP Base	c1700-ipbase-mz	S17IPB-12308YG S17IPB-12308YG=	32 MB	64 MB
1701, 1711, 1712, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS Advanced Security	c1700-advsecurityk9-mz	S17ASK9-12308YG	32 MB	96 MB
1760	Cisco 1700 Series IOS Advanced IP Services	c1700-advipservicesk9-mz	S17AISK9-12308YG	32 MB	160 MB
1701, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS Enterprise Services	C1700-entservicesk9-mz	S17ESK9-12308YG	32 MB	128 MB
1701, 1721, 1751, 1751-V, 1760	Cisco 1700 Series IOS SP Services	C1700-spservicesk9-mz	S17SPSK9-12308YG	32 MB	128 MB
1760	Cisco 1700 Series IOS Advanced Enterprise Services	c1700-adventerprisek9-mz	S17AESK9-12308YG	32 MB	160 MB

**Table 6.** Feature Sets and Ordering Information for Cisco IOS Software Release 12.3(8)YG for Cisco 1800 Integrated Services Router Series (modular)

Cisco 1800 Series (Modular) Cross-Platform Images				Recommended Memory	
Product	Software Product Description	Image File Name	Part Number	Flash	DRAM
1841	Cisco 1841 IOS IP Base	c1841-ipbase-mz	S184IPB-12308YG S184IPB-12308YG=	32 MB	128 MB
1841	Cisco 1841 IOS Broadband	c1841-broadband-mz	S184BB-12308YG	32 MB	128 MB
1841	Cisco 1841 IOS Advanced Security	c1841-advsecurityk9-mz	S184ASK9-12308YG	32 MB	128 MB
1841	Cisco 1841 IOS SP Services	C1841-spservicesk9-mz	S184SPSK9-12308YG	32 MB	128 MB
1841	Cisco 1841 IOS Advanced IP Services	C1841-advipservicesk9-mz	S184AISK9-12308YG	64 MB	192 MB
1841	Cisco 1841 IOS Enterprise Services	C1841-entservicesk9-mz	S184ESK9-12308YG	64 MB	192 MB
1841	Cisco 1841 IOS Advanced Enterprise Services	c1841-adventerprisek9-mz	S184AESK9-12308YG	64 MB	192 MB

#### DOWNLOAD INFORMATION

Customers can download Cisco IOS Software Release 12.3(8)YG from the <http://www.cisco.com> software image library.

#### FOR MORE INFORMATION

For more information about the Cisco SOHO and 800 series go to <http://www.cisco.com/go/800>, for the Cisco 1700 Series go to <http://www.cisco.com/go/1700>, for the Cisco 1800 Series go to <http://www.cisco.com/go/1800> or contact your local account representative.

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