



Cisco IOS Software Release 12.3 Mainline and 12.3T Feature Sets for Cisco 1700 Series Routers

This product bulletin details changes to the Cisco IOS® Software packaging for Cisco® 1700 Series access routers. It also introduces eight new cross-platform feature sets in Cisco IOS Software Release 12.3 Mainline and 12.3T. In addition, this is an end-of-sale notification for a number of feature sets.

Note: This product bulletin covers the packaging of capabilities into feature sets. It does not cover individual new features. For information about new features in Cisco IOS Software Release 12.3 Mainline and 12.3T, refer to the Cisco IOS Software pages on cisco.com.

Overview

Beginning with Cisco IOS Software Release 12.3 Mainline and 12.3T, the Cisco 1700 Series platforms will offer eight new Cisco cross-platform feature sets (Table 1). The feature sets are introduced as an alternative to classic feature sets in Cisco IOS Software Release 12.3 Mainline. Customers deploying Cisco IOS Software Release 12.3 Mainline are encouraged to migrate to the cross-platform feature sets, *but this is optional*. Customers planning or expecting deployment of new features in Cisco IOS Software Release 12.3T are strongly encouraged to understand and evaluate the new cross-platform feature sets because they will be the vehicles for new feature delivery.

Table 1 Cisco IOS Software Release 12.3 Mainline, 12.2T, and 12.3T Feature Sets

Cisco IOS Software Release 12.2T	Cisco IOS Software Release 12.3 Mainline	Cisco IOS Software Release 12.3T
Classic feature sets only (37 feature sets)	Classic feature sets (12 feature sets)	Classic feature sets (8 feature sets)
	Cross-platform feature sets (8 feature sets)	Cross-platform feature sets (8 feature sets)

The remainder of this product bulletin provides details of feature-set availability in Cisco IOS Software Release 12.3 Mainline and 12.3T respectively.



Cisco IOS Software Release 12.3 Mainline

Overview of Available Feature Sets in Cisco IOS Software Release 12.3 Mainline

The following Cisco IOS Software Release 12.3 Mainline feature sets will be available for the Cisco 1710 Security Access Router and the Cisco 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V modular access routers (Table 2).

Table 2 Cisco IOS Software Release 12.3 Mainline Feature Sets

Feature Set	Image Filename	Supported Routers
Cross-platform feature sets		
IP BASE	C1700-ipbase-mz	Cisco 1721, 1751, 1751-V, 1760, and 1760-V
IP VOICE	C1700-ipvoice-mz	Cisco 1751-V, 1760, and 1760-V
ENTERPRISE BASE	C1700-entbase-mz	Cisco 1721, 1751, 1751-V, 1760, and 1760-V
ADVANCED SECURITY	C1700-advsecurityk9-mz	Cisco 1721, 1751, 1751-V, 1760, and 1760-V
SP SERVICES	C1700-spservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ENTERPRISE SERVICES	C1700-entservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ADVANCED IP SERVICES	C1700-advipservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ADVANCED ENTERPRISE SERVICES	C1700-adventerprisek9-mz	Cisco 1751-V, 1760, and 1760-V
Classic feature sets		
IP	c1700-y-mz	Cisco 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL	c1700-y7-mz	Cisco 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL PLUS	c1700-sy7-mz	Cisco 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP VOICE PLUS ¹	c1700-sv3y-mz	Cisco 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL VOX PLUS	c1700-sv8y7-mz	Cisco 1751, 1751-V, 1760, and 1760-V
IP ADSL FW IDS PLUS IPSEC 3DES	c1700-k9o3sy7-mz	Cisco 1710, 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL VOX FW IDS PLUS IPSEC 3DES	c1700-k9o3sv8y7-mz	Cisco 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM PLUS	c1700-bnr2sy7-mz	Cisco 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES	c1700-bk9no3r2sy7-mz	Cisco 1710, 1720, 1721, 1750, 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES	c1700-bk9no3r2sv8y7-mz	Cisco 1751-V, 1760, and 1760-V
IP FW IDS PLUS IPSEC 3DES	c1710-k9o3sy-mz	Cisco 1710
IP IPX AT IBM FW IDS PLUS IPSEC 3DES	c1710-bk9no3r2sy-mz	Cisco 1710

¹ IP Voice Plus will not be supported in Release 12.3T.



End-of-Sale Feature Sets in Cisco IOS Software Release 12.3 Mainline and Suggested Migration Paths

Table 3 lists Cisco IOS Software feature sets that will be discontinued in Cisco IOS Software Release 12.3 Mainline, and suggested migration paths. It should be noted that other active release trains continue to issue maintenance releases of these feature sets. The end of sale applies only to Cisco IOS Software Release 12.3 Mainline and subsequent 12.3T release trains.

SMARTnet™ support and other support contracts are transferable from an end-of-sale image to any image suggested as a migration path.

Table 3 End-of-Sale Feature Sets and Migration Paths

End-of-Sale Feature Set Filename	Suggested Migration Path(s)	Remarks
IP PLUS c1700-sy-mz	IP ADSL PLUS c1700-sy-mz	Adds ADSL support
IP VOX PLUS c1700-sv8y-mz	IP ADSL VOX PLUS c1700-sv8y7-mz	Adds ADSL support
	IP VOICE C1700-ipvoice-mz	Provides all voice features, but may not provide all advanced routing features
	SP SERVICES C1700-spservicesk9-mz	Adds Secure Shell (SSH) Protocol support
IP ADSL VOICE PLUS c1700-sv3y7-mz	IP ADSL VOX PLUS c1700-sv8y7-mz	Adds additional voice features and ADSL support
	IP VOICE C1700-ipvoice-mz	Provides all voice features, but may not provide all advanced routing features
	SP SERVICES C1700-spservicesk9-mz	Adds additional voice features and SSH support
IP FW IDS c1700-o3y-mz	IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz	Adds ADSL, IP Plus, and IP Security (IPSec) Triple Data Encryption Standard (3DES) support (See note on export control below table)
	ADVANCED SECURITY C1700-advsecurityk9-mz	Adds IP Plus and IPSec 3DES support
IP ADSL PLUS IPSEC 3DES c1700-k9sy7-mz	IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz	Adds ADSL, firewall, and intrusion detection sensor (IDS) support
	ADVANCED SECURITY C1700-advsecurityk9-mz	Adds ADSL, firewall, and IDS support
IP ADSL PLUS IPSEC 56 c1700-k8sy7-mz	IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz	Adds firewall, IDS, and IPSec 3DES support
	ADVANCED SECURITY C1700-advsecurityk9-mz	Adds firewall, IDS, and IPSec 3DES support



Table 3 End-of-Sale Feature Sets and Migration Paths

End-of-Sale Feature Set Filename	Suggested Migration Path(s)	Remarks
IP ADSL FW IDS PLUS IPSEC 56 c1700-k8o3sy7-mz	IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz	Adds IPsec 3DES support
	ADVANCED SECURITY C1700-advsecurityk9-mz	Adds IPsec 3DES support
IP ADSL VOX FW IDS PLUS c1700-o3sv8y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds IPsec 3DES support
IP ADSL IPX VOX FW IDS PLUS c1700-no3sv8y7-mz	IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv8y7-mz	Adds IBM, AT, and IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds IBM, AT, and IPsec 3DES support
IP ADSL VOICE FW IDS PLUS c1700-o3sv3y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds additional voice features and IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds IPsec 3DES support
IP ADSL VOX PLUS IPSEC 3DES c1700-k9sv8y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds firewall and IDS support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds firewall and IDS support
IP ADSL VOICE PLUS IPSEC 3DES c1700-k9sv3y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds additional voice features
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds firewall and IDS support
IP ADSL VOICE PLUS IPSEC 56 c1700-k8sv3y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds additional voice features and firewall, IDS, and IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds additional voice features and firewall, IDS, and IPsec 3DES support
IP ADSL VOICE FW IDS PLUS IPSEC 3DES c1700-k9o3sv3y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds additional voice features
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds additional voice features



Table 3 End-of-Sale Feature Sets and Migration Paths

End-of-Sale Feature Set Filename	Suggested Migration Path(s)	Remarks
IP ADSL VOICE FW IDS PLUS IPSEC 56 c1700-k8o3sv3y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds additional voice features and IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds additional voice features and IPsec 3DES support
IP ADSL VOX PLUS IPSEC 56 c1700-k8sv8y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds firewall, IDS, and IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds firewall, IDS, and IPsec 3DES support
IP ADSL VOX FW IDS PLUS IPSEC 56 c1700-k8o3sv8y7-mz	IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-k9o3sv8y7-mz	Adds IPsec 3DES support
	ADVANCED IP SERVICES C1700-advipservicesk9-mz	Adds IPsec 3DES support
IP IPX AT IBM c1700-bnr2y-mz	IP ADSL IPX AT IBM PLUS c1700-bnr2sy7-mz	Adds ADSL and IP Plus support
	ENTERPRISE BASE C1700-entbase-mz	Adds ADSL support
IP IPX c1700-ny-mz	IP ADSL IPX AT IBM PLUS c1700-bnr2sy7-mz	Adds ADSL, IBM, AT, and IP Plus support
	ENTERPRISE BASE C1700-entbase-mz	Adds ADSL, IBM, and AT support
IP ADSL IPX FW IDS PLUS c1700-no3sy7-mz	IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sy7-mz	Adds IBM, AT, and IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds IBM, AT, voice, and IPsec 3DES support
IP ADSL IPX VOICE FW IDS PLUS c1700-no3sv3y7-mz	IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv8y7-mz	Adds additional voice features and IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds IBM, AT, additional voice features, and IPsec 3DES support
IP ADSL IPX AT IBM FW IDS PLUS IPSEC 56 c1700-bk8no3r2sy7-mz	IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sy7-mz	Adds IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds voice and IPsec 3DES support



Table 3 End-of-Sale Feature Sets and Migration Paths

End-of-Sale Feature Set Filename	Suggested Migration Path(s)	Remarks
IP ADSL IPX AT IBM VOICE FW IDS PLUS IPSEC 56 c1700-bk8no3r2sv3y7-mz	IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv8y7-mz	Adds additional voice features and IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds additional voice features and IPsec 3DES support
IP ADSL IPX AT IBM VOICE FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv3y7-mz	IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv8y7-mz	Adds additional voice features
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds additional voice features
IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 56 c1700-bk8no3r2sv8y7-mz	IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sv8y7-mz	Adds IPsec 3DES support
	ADVANCED ENTERPRISE SERVICES C1700-adventerprisek9-mz	Adds IPsec 3DES support

Note: Export controls on strong encryption (greater than 56-bit DES strength) vary according to type, strength, territory, end use, and end user. Please visit the Web-based Cisco Encryption Sales Support Tool to determine eligibility for Cisco strong encryption solutions. Send e-mail to Export Compliance (export@cisco.com) for clarification. Please include the word “crypto” or “encryption” in the subject line to help ensure proper routing of your inquiry.



Introduction of New Cisco IOS Software Release 12.3 Cross-Platform Feature Sets

The cross-platform feature sets (Table 4) are tailored to ease the choice of feature sets in a multiplatform environment. They are initially available for Cisco 1700 Series access routers, Cisco 2600 Series multiservice routers, the Cisco 2691 Multiservice Platform, and Cisco 3725 and 3745 multiservice access routers. They provide feature combinations based on customer feedback. In addition, the cross-platform feature sets simplify the image-selection process by providing similar capability across platform boundaries.

Table 4 Cisco IOS Software Release 12.3 Cross-Platform Feature Sets

Cross-Platform Feature Sets	Basic IP Data Routing Including xDSL and 802.1Q Virtual LAN	Voice over IP, Voice over Frame Relay	ATM, Voice over ATM, Multiprotocol Label Switching	AppleTalk, IPX, IBM protocols	Firewall, Intrusion Detection Sensor, IPSec	SSH
IP BASE	X					
ENTERPRISE BASE	X			X		
IP VOICE	X	X				
ADVANCED SECURITY	X				X	X
SP SERVICES	X	X	X			X
ADVANCED IP SERVICES	X	X	X		X	X
ENTERPRISE SERVICES	X	X	X	X		X
ADVANCED ENTERPRISE SERVICES	X	X	X	X	X	X

Detailed information about the new cross-platform feature sets is available on the cross-platform feature set introduction page.



Cisco IOS Software Release 12.3T

Overview of Available Feature Sets in Cisco IOS Software Release 12.3T

The following Cisco IOS Software Release 12.3T feature sets (Table 5) will be available for the Cisco 1700 Series access routers.

Table 5 Cisco IOS Software Release 12.T Feature Sets

Feature Set	Image Filename	Supported Routers
Cross-platform feature sets		
IP BASE	C1700-ipbase-mz	Cisco 1721, 1751, 1751-V, 1760, and 1760-V
IP VOICE	C1700-ipvoice-mz	Cisco 1751-V, 1760, and 1760-V
ENTERPRISE BASE	C1700-entbase-mz	Cisco 1721, 1751, 1751-V, 1760, and 1760-V
ADVANCED SECURITY	C1700-advsecurityk9-mz	Cisco 1710, 1721, 1751, 1751-V, 1760, and 1760-V
SP SERVICES	C1700-spservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ENTERPRISE SERVICES	C1700-entservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ADVANCED IP SERVICES	C1700-advipservicesk9-mz	Cisco 1751-V, 1760, and 1760-V
ADVANCED ENTERPRISE SERVICES	C1700-adventerprisek9-mz	Cisco 1751-V, 1760, and 1760-V
Classic feature sets		
IP	c1700-y-mz	Cisco 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL	c1700-y7-mz	Cisco 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL PLUS	c1700-sy7-mz	Cisco 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL VOX PLUS	c1700-sv8y7-mz	Cisco 1751, 1751-V, 1760, and 1760-V
IP ADSL FW IDS PLUS IPSEC 3DES	c1700-k9o3sy7-mz	Cisco 1710, 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL VOX FW IDS PLUS IPSEC 3DES	c1700-k9o3sv8y7-mz	Cisco 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM PLUS	c1700-bnr2sy7-mz	Cisco 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES	c1700-bk9no3r2sy7-mz	Cisco 1710, 1720, 1721, 1751, 1751-V, 1760, and 1760-V
IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES	c1700-bk9no3r2sv8y7-mz	Cisco 1751-V, 1760, and 1760-V



End-of-Sale Feature Sets in Cisco IOS Software Release 12.3T and Suggested Migration Paths

Table 6 lists Cisco IOS Software feature sets that will be discontinued in Cisco IOS Software Release 12.3T, and suggested migration paths. It should be noted that other active release trains continue to issue maintenance releases of these feature sets. The end of sale applies only to Cisco IOS Software Release 12.3T.

SMARTnet support and other support contracts are transferable from an end-of-sale image to any image suggested as a migration path.

The suggested migration paths are high-level directions for customers migrating from classic feature sets to the cross-platform feature sets introduced in Cisco IOS Software Release 12.3 Mainline. Detailed information about the new cross-platform feature sets is available on the cross-platform feature set introduction page.

Cisco Systems® provides several tools to perform detailed analysis of feature content. To find out which Cisco IOS Software release best supports your needs, Cisco recommends using the Cisco Software Advisor, Cisco IOS Upgrade Planner, and Cisco IOS Feature Navigator. These tools allow registered customers and partners to search by feature(s) or by release, and compare different releases and feature sets.

Table 6 Cisco IOS Software Release 12.3T End-of-Sale Feature Set and Migration Path

End-of-Sale Feature Set	Suggested Migration Path	Remarks
IP VOICE Plus c1700-sv3y-mz	IP Voice C1700-ipvoice-mz	
IP FW IDS PLUS IPSEC 3DES c1710-k9o3sy-mz	IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz	Adds ADSL support
	ADVANCED SECURITY C1700-advsecurityk9-mz	Adds ADSL support
IP IPX AT IBM FW IDS PLUS IPSEC 3DES c1710-bk9no3r2sy-mz	IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES c1700-bk9no3r2sy7-mz	Adds ADSL support

Note: Export controls on strong encryption (greater than 56-bit DES strength) vary according to type, strength, territory, end use, and end user. Please visit the Web-based Cisco Encryption Sales Support Tool to determine eligibility for Cisco strong encryption solutions. Send e-mail to Export Compliance (export@cisco.com) for clarification. Please include the word “crypto” or “encryption” in the subject line to ensure proper routing of your inquiry.



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