



# Cisco IOS Software Release 12.2(4)YH

## Introduction

This product bulletin describes the new features introduced in Cisco IOS<sup>®</sup> Software Release 12.2(4)YH.

## New Features

### Terminal Line Security for PAD Connections

Terminal Line Security for packet assembler/disassembler (PAD) connections adds Cisco Closed User Group (CUG) subscription capabilities to reduce the number of routers and, X.25 interfaces and reduce the configuration complexity required in a network design.

This is beneficial for customers who have a numerous asynchronous devices to configure for PAD access. Customers who want these devices to be configurable as a network attachment such as the asynchronous interface needs to be a distinct access point for customer premises equipment that can be configured for CUG security.

### BRI Q.SIG

QSIG<sup>1</sup> is a global signaling and control standard for PBXs, used in private corporate ISDN networks to link multiple vendors' PBX systems while retaining feature transparency. It is used primarily in Europe over E1 Primary Rate Interface (PRI) and Basic Rate Interface (BRI) trunks and occasionally in North America over T1 trunks. The Cisco 1700 Series supports PRI QSIG starting from Cisco IOS Release 12.2(4)YB. This release provides support of QSIG over BRI trunks in the future.

BRI QSIG offers benefits such as vendor independence, guaranteed PBX interoperability, free-form network topology, support for an unlimited number of nodes, flexible numbering plan, and flexibility of interconnecting transmission technologies (such as analog or digital leased lines, radio and satellite links, and public VPN services).

<sup>1</sup> Q comes from the fact that the standard is an extension of the "Q" logical reference point defined by the ITU-T in its Q.93x services of ISDN SIGNaling system.

## Software

### Maintenance Support

Maintenance for these features will be available on future 12.2X special releases until the features are incorporated into the seventh 12.2T maintenance software release.



## Detailed Information

For more information about the platforms and features included in Release 12.2(4)YH, reference the following document:

Release Notes for Cisco 1700 Series Platforms for Cisco IOS Software Release 12.2(4)YH at:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122relnt/1700/rn1700yh.htm>

## Life Span

Release 12.2(4)YH will be sold until the seventh maintenance release of Cisco IOS Software Release 12.2T.

## Support

Cisco IOS Software Release 12.2(4)YH is supported by the Cisco Systems Product Support Policy which you may review at:

<http://www.cisco.com/warp/customer/437/27.html>

Table 1 12.2(4)YH Image List and Memory Requirements

Number	Software Product Description	Image	Product Code	Terminal Line Security	BRI Q SIG	Flash	DRAM
1	Cisco 1700 IOS IP/ADSL/ IPX/AT/IBM PLUS	c1700-bnr2sy7-mz	S17Q7P-12204YH	Yes	No	16 MB	48 MB
2	Cisco 1700 IOS IP/IPX/ AT/IBM	c1700-bnr2y-mz	S17Q-12204YH	Yes	No	8 MB	32 MB
3	Cisco 1700 IOS IP/ADSL/ IPX/VOICE/FW/IDS PLUS	c1700-no3sv3y7-mz	S17B7HPV-12204YH	Yes	Yes	16 MB	48 MB
4	Cisco 1700 IOS IP/ADSL/ IPX/VOX/FW/IDS PLUS	c1700-no3sv8y7-mz	S17B7HPV8-12204YH	Yes	Yes	16 MB	64 MB
5	Cisco 1700 IOS IP/ADSL/ IPX/FW/IDS PLUS	c1700-no3sy7-mz	S17B7HP-12204YH	Yes	No	16 MB	48 MB
6	Cisco 1700 IOS IP/IPX	c1700-ny-mz	S17B-12204YH	Yes	No	8 MB	32 MB
7	Cisco 1700 IOS IP/ADSL/ VOICE/FW/IDS PLUS	c1700-o3sv3y7-mz	S17C7HV-12204YH	Yes	Yes	16 MB	48 MB
8	Cisco 1700 IOS IP/ADSL/ VOX/FW/IDS PLUS	c1700-o3sv8y7-mz	S17C7HV8-12204YH	Yes	Yes	16 MB	64 MB
9	Cisco 1700 IOS IP/FW/IDS	c1700-o3y-mz	S17CH-12204YH	Yes	No	8 MB	32 MB
10	Cisco 1700 IOS IP/VOICE PLUS	c1700-sv3y-mz	S17CVP-12204YH	Yes	Yes	16 MB	48 MB
11	Cisco 1700 IOS IP/ADSL/ VOICE PLUS	c1700-sv3y7-mz	S17C7VP-12204YH	Yes	Yes	16 MB	48 MB
12	Cisco 1700 IOS IP/VOX PLUS	c1700-sv8y-mz	S17CV8P-12204YH	Yes	Yes	16 MB	48 MB

Table 1 12.2(4)YH Image List and Memory Requirements

Number	Software Product Description	Image	Product Code	Terminal Line Security	BRI Q SIG	Flash	DRAM
13	Cisco 1700 IOS IP/ADSL/VOX PLUS	c1700-sv8y7-mz	S17C7V8P-12204YH	Yes	Yes	16 MB	64 MB
14	Cisco 1700 IOS IP/ADSL PLUS	c1700-sy7-mz	S17C7P-12204YH	Yes	No	8 MB	48 MB
15	Cisco 1700 IOS IP	c1700-y-mz	S17C-12204YH	Yes	No	8 MB	32 MB
16	Cisco 1700 IOS IP/ADSL	c1700-y7-mz	S17C7-12204YH	Yes	No	8 MB	32 MB



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