

Cisco IOS Software Release 12.1(1)XB

Introduction

This product bulletin describes the new features introduced in Cisco IOS® software release 12.1(1)XB. This bulletin should be used in conjunction with “Product Bulletin #1064 Cisco IOS Software Release Process.”

New Features

12.1(1)XB is an early deployment (ED) release. This release delivers support for Cisco 827 and Cisco 827-4V platforms. Now customers can use Cisco 800 series routers to access asynchronous digital subscriber line (ADSL) networks with support for business-class functionality such as:

- Differentiated quality of service
- Toll-quality voice
- Business-class security
- Cisco IOS reliability

The features delivered with this ED release will be immediately incorporated into the 12.1(3)T release. Therefore, maintenance for these features should be obtained from the 12.1T release. For more information about the Cisco IOS software release process, please see “Product Bulletin #1064.”

Detailed Information

The Cisco IOS software Release 12.1(1)XB delivers support for the Cisco 827 and Cisco 827-4V platform models:

The Cisco 827 platforms provide a hardware platform that delivers integrated ADSL access to small business and teleworkers. The Cisco 827-4V model delivers additional support for up to four FXS voice ports using voice over IP as transport and H.323 v1 and v2 as signaling. The encapsulations supported in this release are PPP over ATM (RFC 2364-PPP over AAL5) and multiprotocol over ATM (RFC 1483 Multiprotocol Encapsulation over ATM Adaptation Layer 5).

Using PPP encapsulation 12.1(1) XB on the Cisco 827 routers supports dynamic address negotiation using IPCP. If using the RFC 1483 encapsulation, AAL5snap supports DHCP client for automatic assignment of IP address and netmask to the router's Bridged Virtual Interface.

For more detailed information about the platforms and features of 12.1(1)XB, reference the following document:

Release Notes for Cisco 827 for Cisco IOS Release 12.1(1) XB at <http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121relnt/800/index.htm>

Life Span

12.1(1)XB will be sold until Cisco IOS software 12.1(3)T is released.

Support

Cisco IOS software 12.1(1)XB is supported by the Cisco Systems Product Support Policy at <http://www.cisco.com/warp/customer/437/27.html>

Supported Hardware Platforms

Cisco IOS software release 12.1(1)XB supports the Cisco 827 and Cisco 827-4V platforms.

Product Numbers and Descriptions

Cisco IOS software Release 12.1(1)XB can be ordered using the following product numbers.

Feature Name	Product Code	Software Image	Required Flash Memory	Required DRAM Memory	Runs From
IP	S8C-12101XB	c827-y6-mz.121-1.XB	12 MB	16 MB	RAM
IP Voice Plus	S8CVP-12101XB	c827v-y6-mz.121-1.XB	12 MB	24 MB	RAM
IP/IPX Voice Plus	S8BP-12101XB	c827v-nsy6-mz.121-1.XB	12 MB	24 MB	RAM

Download Information

Customers can download Cisco IOS Release 12.1(1)XB software from the Cisco Connection Online (CCO) in the Software Image Library at <http://www.cisco.com/cgi-bin/Software/Iosplanner/Planner-tool/iosplanner.cgi>



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