

Cisco IOS Software Release 12.0(4)XL

Introduction

This Product Bulletin describes the new features introduced in Cisco IOS(TM) software release 12.0(4)XL. It should be used in conjunction with Product Bulletin titled, Cisco IOS Software Release 12.0T

New Features

12.0(4)XL is an Early Deployment (ED) release. This release is focused on delivering high density VoIP applications on the Cisco AS5800 to market. Any ED release of software should be utilized first in a test network before being deployed in a production network.

The features delivered with this ED release will be immediately incorporated into the 12.0(6)T release. As such, maintenance for these features should be obtained from the 12.0T and 12.1 releases. For more information about the Cisco IOS software release process, please see Product Bulletin #537.

Detailed Information

The AS5800 Voice Gateway now supports high density VoIP applications. With 12.0(4)XL and the new DS58-192VOX (T1 C549 DSP-based Voice Feature Card), the AS5800 Voice Gateway supports the following:

- Up to 1344 VoIP calls, in a split dial shelf configuration with Voice Detection (VAD)/silence suppression turned on.
- Multiple voice coders including G.723.1, G.729a, G.726, G.728 as well as the existing G.711, and G.729.
- Fax relay up to 14.4 Kbps.
- Codec negotiation.
- Configurable packet/frame sizing.

These capabilities, among others, make the Cisco AS5800 Voice Gateway the capacity voice gateway on the market.

For more detailed information about the platform and features being delivered in 12.0(4)XL, please reference the following document:

- Release Notes for Cisco AS5800 for Cisco IOS Release 12.0(4)XL

Product Numbers and Descriptions

Cisco IOS Software Release 12.0(4)XL can be ordered using the following product numbers.

Table 1 12.0(4)XL Product Numbers and Descriptions

Product Number	Description
S58CP-12.0.4XL	Cisco AS5800 Series IOS IP PLUS
S58CL-12.0.4XL	Cisco AS5800 Series IOS SERVICE PROVIDER IPSEC 56
S58CP-12.0.4XL=	Cisco AS5800 Series IOS IP PLUS
S58CL-12.0.4XL=	Cisco AS5800 Series IOS SERVICE PROVIDER IPSEC 56
I58CL-12.0.4XL	Cisco AS5800 Series IOS SERVICE PROVIDER IPSEC 56
FL58CP-192HC	Cisco IOS AS5800 IP Plus 192 Voice Port Licence

Feature Sets, Images and Minimum Memory Requirements

Each of the 12.0(4)XL images has a minimum memory requirement for flash and DRAM.

Table 2 Feature Sets, Images, and Minimum Memory Requirements

Image Feature Sets	Images	Flash	DRAM
IP Plus	c5800-p4-mz	16MB	128MB
IP Plus IPSEC 56	c5800-p456i-mz	16MB	128MB
Dial Shelf Controller	dsc-c5800-mz	8MB	32MB



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