



Release Notes for ISDN Leased Line Support for C880 Platforms

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These release notes describe the ISDN leased line support for C880 platforms. They should be used with the documents listed in the [Related Documentation](#) section.

These release notes are updated as needed. To ensure that you have the latest version of these release notes, go to http://www.cisco.com/en/US/products/hw/routers/ps380/prod_release_notes_list.html. In the Support box, click **General Information > Release Notes** and then find the latest release notes for your release.

Contents

This document contains the following sections:

- [Introduction, page 1](#)
- [System Requirements, page 2](#)
- [Limitations and Restrictions, page 5](#)
- [Related Documentation, page 5](#)

Introduction

The ISDN Leased Line Support for C880 Platforms feature allows the user to configure a dial-up interface to obtain a leased line, which is virtually a permanent connection. After an ISDN BRI interface is configured for access over leased lines, it is no longer a dialer interface, and signaling over the D channel no longer applies.

This feature configures the BRI interface to use the ISDN physical connection as a leased-line service.



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For an ISDN line, you can use the following:

- Dial-on-Demand Routing (DDR) using snapshot routing—activated only when needed
- Permanent ISDN line lease

System Requirements

This section contains the following parts:

- [Memory Requirements, page 2](#)
- [Hardware Supported, page 3](#)
- [Software Compatibility, page 3](#)
- [Feature Set Tables, page 4](#)

Memory Requirements

[Table 1](#) lists the default memory configuration.

Table 1 *Default Memory Configuration*

Model	Onboard Memory	Memory Width	Memory Configuration	Memory Expansion Socket
880 Data	256 MB	X64	4x8Mx16x4	256 MB–1 GB
880 Voice	256 MB	X64	4x8Mx16x4	One; 256 MB–1 GB

[Table 2](#) lists the memory defaults and upgrade options of the C880 platforms.

Table 2 *Memory Defaults and Upgrade Options*

Platform	Image Name	Min Flash (MB)	Min Dram (MB)
886	c880-advipservicesk9-mz c880-advsecurityk9-mz c880data-universalk9-mz c880data-universalk9_npe-mz	128	256
887	c880-advipservicesk9-mz c880-advsecurityk9-mz c880data-universalk9-mz c880data-universalk9_npe-mz	128	256

Table 2 **Memory Defaults and Upgrade Options (continued)**

Platform	Image Name	Min Flash (MB)	Min Dram (MB)
888	c880-advipservicesk9-mz c880-advsecurityk9-mz c880data-universalk9-mz c880data-universalk9_npe-mz	128	256
892	c890-universalk9-mz c890-universalk9_npe-mz	256	512
IAD886	c880voice-universalk9-mz iad880-advipservicesk9_voice-mz iad880-advsecurityk9_voice-mz	256	512 256 256
IAD887	c880voice-universalk9-mz iad880-advipservicesk9_voice-mz iad880-advsecurityk9_voice-mz	256	512 256 256
IAD888	c880voice-universalk9-mz iad880-advipservicesk9_voice-mz iad880-advsecurityk9_voice-mz	256	512 256 256

Hardware Supported

The ISDN leased line supports the following Cisco 880 platforms:

- 886
- 887
- 888
- 892
- IAD886
- IAD887
- IAD888

Software Compatibility

The Cisco 880 models support two software images: Enhanced Security and Advanced IP Services.

Feature Set Tables

Table 3 lists the hardware feature matrix of C880 platforms.

Table 3 Hardware Feature Matrix

Model Number	CPU	Default Onboard Flash	Default Onboard Memory	CPU Memory Exp. Slot	Primary WAN	Power Supply	RTC	AIM Slot	Wireless AP Option
886	8358 E 400 MHz	128 MB	256 MB	Yes	VDSL2 (Annex B)	60 W Desktop	Yes	—	Internal 2.4 GHz AP
887	8358 E 400 MHz	128 MB	256 MB	Yes	VDSL2 (Annex A)	60 W Desktop	Yes	—	Internal 2.4 GHz AP
888	8358 E 400 MHz	128 MB	256 MB	Yes	G.SHDSL	60 W Desktop	Yes	—	Internal 2.4 GHz AP
892	8358 E 667 MHz	128 MB	256 MB	Yes	GE	60 W Desktop	Yes	Yes	Internal Dual radio 2.4 GHz and 5 GHz AP
IAD886	8358 E 400 MHz	256 MB	256 MB	Yes	VDSL2 (Annex A)	60 W Desktop	Yes	—	Internal 2.4 GHz AP
IAD887	8358 E 400 MHz	256 MB	256 MB	Yes	VDSL2 (Annex A)	60 W Desktop	Yes	—	Internal 2.4 GHz AP
IAD888	8358 E 400 MHz	256 MB	256 MB	Yes	G.SHDSL	60 W Desktop	Yes	—	Internal 2.4 GHz AP

Table 4 lists the ports availability for C880 platforms.

Table 4 Ports Availability

Model Number	BRI network ports	Cons/aux port	USB Ports	GE WAN ports	FE WAN ports	10/100 FE Switch LAN Ports	2 or 4-port PoE option
886	Yes	1	1	—	—	4	2
887	Yes	1	1	—	—	4	2
888	Yes	1	1	—	—	4	2
892	Yes	2	2	1	1	8	4
IAD886	Yes	1	1	—	—	4	2

Table 4 Ports Availability (continued)

Model Number	BRI network ports	Cons/aux port	USB Ports	GE WAN ports	FE WAN ports	10/100 FE Switch LAN Ports	2 or 4-port PoE option
IAD887	Yes	1	1	—	—	4	2
IAD888	Yes	1	1	—	—	4	2

Limitations and Restrictions

Supported Speeds

The Cisco 880 series routers support ISDN leased-line speeds of 64 kbps and 128 kbps.

Related Documentation

[Table 5](#) describes the related documentation available for ISDN Leased Line Support for C880 Platforms.

Table 5 ISDN Leased Line Support for C880 Platforms Documentation

Document Title	Available Formats
<i>Cisco 800 Series Software Configuration Guide</i>	This document is available at the following locations: <ul style="list-style-type: none"> Cisco.com http://www.cisco.com/en/US/docs/routers/access/800/801/software/configuration/guide/provisio.html
<i>Release Notes for Cisco IOS Release 12.1(2)XF Feature Packs for the Cisco 800 Series Routers</i>	This document is available at the following locations: <ul style="list-style-type: none"> Cisco.com http://www1.cisco.com/en/US/products/sw/iosswrel/ps5013/prod_release_note09186a0080088182.html
<i>Cisco 800 Series ISDN Router</i>	This document is available at the following locations: <ul style="list-style-type: none"> Cisco.com http://www.cisco.com/en/US/products/hw/routers/ps380/products_data_sheet09186a008008872c.html
<i>Cisco 880 and 860 Series Integrated Services Routers</i>	This document is available at the following locations: <ul style="list-style-type: none"> Cisco.com http://www.cisco.com/en/US/prod/collateral/routers/ps380/qa_c67_458826.html

This document is to be used in conjunction with the documents listed in the [Related Documentation](#) section.

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