

Cisco 1700/2600/3600 ADSL WIC Frequently Asked Questions

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Related Information

Introduction

This document contains frequently asked questions about the asymmetric digital subscriber line (ADSL) WAN Interface Card (WIC) used in the Cisco 1700, 2600, and 3600 series routers.

The Cisco 1700, 2600, and 3600 and 3700 platforms are configured essentially the same, however there are differences in the hardware and in the required Cisco IOS® Software Release.

This table provides platform support details. All the WICs are supported both in onboard WIC slots and in the WIC carrier cards (NM-2W, NM-xFE2W, NM-xFE2W-V2, and NM-1FE1R2W) slots.

WIC-1ADSL WIC-1ADSL-DG WIC-1ADSL-I-DG Platforms Supported Cisco 1720, 1721, 1751, 1760, 2610-51, 2610-51XM, 2691, 3620, 3640, 3640A, 3660, 3725, and 3745 Cisco 1721, 1751, 1760, 2610-51XM, 2691, 3725, and 3745 Cisco 1721, 1751, 1760, 2610-51XM, 2691, 3725, and 3745

Note: WIC-1ADSL-I-DG and WIC-1ADSL-DG are not supported on Cisco 2610-50 (non-XM) Series and 3600 routers.

For more information, refer to the WIC-1ADSL, WIC-1ADSL-DG, and WIC-1ADSL-I-DG Documentation Roadmap.

Q. Is there a interoperability table for the different types of (ADSL) WICs?

A. ADSL over POTS WIC:

- ◆ Alcatel ATM Subscriber Access Multiplexer (ASAM) 1000 and 7300
- ◆ Cisco 6000 Series DSL Access Multiplexer (DSLAMs)
- ◆ Lucent Stinger (24-port and 48-port linecards)
- ◆ ECI HiFOCuS (ADI 918 and ADI 930 linecards)

ADSL over POTS WIC with Dying Gasp:

- ◆ Alcatel ASAM 1000 and 7300
- ◆ Cisco 6000 Series DSLAMs
- ◆ Lucent Stinger (24-port and 48-port linecards)
- ◆ ECI HiFOCuS (ADI 918 and 930 linecards) fourth quarter calendar year 2003

ADSL over ISDN WIC:

- ◆ Siemens Xpresslink DSLAM 2.0 (16-port linecard) and 2.1 (32-port linecard)
- ◆ ECI DSLAM Hi-FOCuS (linecards 16 and 16A)
- ◆ Lucent Stinger (48-port linecards)
- ◆ Cisco 6000 DSLAM (ATU-1-DMT8-I linecards)
- ◆ Alcatel DSLAM fourth quarter of calendar year 2003

Q. What are the software requirements and limitations for the ADSL WIC?

A. The ADSL feature is supported in the IP/ADSL Image ("y7" image) for the Cisco 1700 Series. The Cisco 2600/3600/3700 series routers require a PLUS Cisco IOS Software image for ADSL if version 12.2T is in use. From Cisco IOS Software Release 12.3 mainline and later, ADSL WIC support is available in the "IP Base" feature set. Some Quality of Service (QoS) features require an advanced image (IP PLUS, IP VOICE, or later) for Cisco 1700/2600/3600/3700 series router support.

The ADSL over POTS WIC (WIC-1ADSL), is available on the Cisco IOS 12.2(13)T Release for the Cisco 1700/2600/ 3600/3700 series routers.

The ADSL over POTS WIC with Dying Gasp Support (WIC-1ADSL-DG) is available on Cisco IOS Software Release 12.2(15)ZL for the 1700 Series. This release merges into the third release of the Cisco IOS Software 12.3T train in the first calendar quarter of 2004. The WIC-1ADSL-DG is first available on the Cisco IOS Release 12.3(4)XD for the Cisco 2600XM, 2691, and 3700 Series and is supported in the third release of the 12.3T software train as of 2004.

The ADSL over ISDN WIC (WIC-1ADSL-I-DG) is available on the Cisco IOS Software version 12.2(13)ZH for the Cisco 1700 series and will be available on Cisco IOS Software version 12.2(15)ZJ for the Cisco 2600XM, 2691, and 3700 series routers. All WIC-1ADSL-I-DG features in 12.2(13)ZH and 12.2(15)ZJ is supported in the second release of the Cisco IOS Software 12.3T train (available in the fourth quarter of calendar year 2003). This date is subject to change. For a comprehensive list of images that support the ADSL over ISDN WIC on the Cisco 1700 Series, refer to the Cisco IOS Release 12.2(13)ZH product bulletin number 2135 and future releases on Cisco.com.

Q. How can I learn more about the Cisco IOS Software releases and the features they support?

A. For more information with regard to this topic, refer to these documents:

- ◆ Release Notes for Cisco 1700 Series Routers
- ◆ Release Notes for Cisco 2600 Series Routers
- ◆ Release Notes for Cisco 3600 Series Routers

Q. How can I identify the release of Cisco IOS Software I run?

A. Follow these procedures to determine the Cisco IOS software release you run:

1. Log in to the Cisco 1700, 2600, or 3600.
2. Issue the **show version** command and press **Enter**. The amount of memory installed is displayed. This example shows the result when you issue the **show version** command on a Cisco 1700 series.

```
router>show version
Cisco Internetwork Operating System Software
IOS (tm) C1700 Software (C1700-O3SY756I-M), Version 12.1(5)YB4, EARLY
DEPLOYMENT RELEASE SOFTWARE (fc1)
```

Q. How much memory is installed in my Cisco router?

A. To find out the amount of memory in your router, follow this procedure.

1. Log in to the Cisco 1700, 2600, or 3600.
2. Issue the **show version** command and press **Enter**. The amount of memory installed is displayed, as shown in these examples.

```
1720>show version
cisco 1720 (MPC860) processor (revision 0x601) with
 36864K/12288K bytes of memory.
16384K bytes of processor board System flash (Read/Write)
```

```
2600>show version
cisco 2620 (MPC860) processor (revision 0x200) with
 59392K/6144K bytes of memory.
32K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)
```

```
3640>show version
cisco 3640 (R4700) processor (revision 0x00) with
 46080K/19456K bytes of memory.
DRAM configuration is 64 bits wide with parity disabled.
125K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)
```

Q. How can I upgrade the Cisco IOS Software?

A. For information on this topic, refer to Software Installation and Upgrade Procedure.

Q. Where can I find DSL product and security Field Notices?

A. For information on this topic, refer to DSL/Aggregation Field Notices.

Q. How can I learn more about the use of POTS splitters and microfilters in a DSL environment?

A. For information on this topic, refer to Using POTS Splitters and Microfilters in a DSL Environment.

Q. Where can I find information about DSL modem or router interface pinouts and status LED descriptions?

A. For more information, refer to DSL Modem/Router Interface Pinouts and Status LED Descriptions.

Q. Where can I find information about the compatibility of components in Cisco DSL equipment?

A. For information on this topic, refer to Compatibility of Components in Cisco DSL Equipment.

Q. How do I connect my PC to the console port on the router?

A. For information on this topic, refer to these documents:

- ◆ Installing the Cisco 1700 Router
- ◆ Cisco 2600 Series Hardware Installation Guide
- ◆ Cisco 3600 Series Hardware Installation Guide

Q. Where can I find all the sample configurations for the Cisco 1700, 2600, and 3600 series routers with an ADSL WIC?

A. For information on this topic, refer to Cisco DSL Technology Support Information .

Q. How do I install or upgrade the memory on my Cisco 1700, 2600, or 3600 router?

A. For information on this topic, refer to these documents:

- ◆ Installing and Upgrading Memory in Cisco 1700 Series Routers
- ◆ Cisco 2600 Series Memory Upgrade Configuration Note
- ◆ Installing Memory in the Cisco 3600 Router

Q. How do I recover a password on the Cisco 1700, 2600, or 3600 router?

A. For information on this topic, refer to Password Recovery Procedure for the Cisco 1700 Series Routers. You can use this procedure for the Cisco 1700, 2600, and 3600 series router.

Q. What type of cable should I order when I order the ADSL WIC?

A. The ADSL WIC ships with the straight-through RJ-11-to-RJ-11 cable typically used by new installation customers that do not have an external splitter. Customers that have an external splitter should order the crossover cable. When you order this cable, use product ID "CAB-ADSL-RJ11X=".

Note: If you connect an ADSL WIC to an RJ-11 wall jack that has the DSL pair wired for pins 2 and 5, you must use an RJ-11 crossover cable (lavender with blue stripe).

Q. How do I troubleshoot my new ADSL connection?

A. Verify with your public telephone company or Internet Service Provider (ISP) that the ADSL signal type is Discrete Multi-Tone (DMT) Issue 2 and that the ISP in use is an Alcatel or Cisco Systems compliant DSL Access Multiplexer (DSLAM).

For more information on this topic, refer to Troubleshooting Layer 1 on a Cisco 1700/2600/3600 ADSL WIC and Interoperability.

Q. Where can I find more information about the Cisco 1700, 2600, 3600, and ADSL WICs?

A. These documents contain information about installation, configuration, and troubleshooting the Cisco 1700, 2600, and 3600 platforms and ADSL WICs. Data sheets are also listed and contain product specifications.

- ◆ Cisco 1700 Series Routers
- ◆ Cisco 2600 Series Routers
- ◆ Cisco 3600 Series Routers
- ◆ Release Notes for the Cisco 1700 Series Routers for Cisco IOS Release 12.1(3)XP
- ◆ Update to Cisco WAN Interface Cards Hardware Installation Guide
- ◆ WAN Interface Cards Hardware Installation Guide
- ◆ 1-Port ADSL WAN Interface Card Configuration
- ◆ Configuring a Single-Port Ethernet WIC on a Cisco 1700 Series Router
- ◆ Troubleshooting the 1700 Router
- ◆ Troubleshooting the 2600 Router
- ◆ Troubleshooting the 3600 Router

Related Information

- A-Z Networking Solutions Index
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