Cisco Aironet Client Adapter Installation Tips for Windows NT v4.0

Document ID: 19057

To get Cisco Aironet drivers, firmware and utility software, use this link to the Cisco Wireless Software Center.

Contents

Introduction Prerequisites Requirements Components Used Conventions Determine Which Interrupts Are Used Install the Drivers Related Information Introduction

The Cisco Aironet Client Adapter Installation Wizard for Windows automates the installation of the Aironet Client Utility (ACU) and related drivers, and adjusts the system resources so the hardware can interact appropriately with Windows. In legacy installations where that wizard is not used, you must use an alternative installation method. The procedure to install the Cisco Aironet Client Adapter card on a Windows NT platform is different from the installation process on other Windows platforms. This document describes the method to set the IRQ and I/O port numbers used by the Client Adapter card.

Prerequisites

Requirements

The reader should be familiar with the Windows GUI and the Control Panel.

Components Used

This document is applicable to any platform that runs Windows NT version 4.0.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Determine Which Interrupts Are Used

Since Windows NT v4.0 does not support Plug-and-Play, you must determine the available IRQ and I/O port

numbers. To do this in Windows NT, use these steps:

- 1. Go to **Start >Programs >Administrative tools >NT Diagnostics**:
- 2. In the Windows **NT Diagnostics** window, click the **Resource** tab.

You can examine IRQ and I/O port numbers with the buttons at the bottom of the display.

<u>N</u>	/indows	NT D	agnostics	- //C/	ABLEW	R-PC		_	□ ×
File	<u>H</u> elp								
	Version	n Ì	System	1	Display	1	Drives	Memory	ļ
	Servic	es	Hesou	ices		Enviror	nment	Network	4
							Include <u>H</u> A	L resources 🗖	
	IRQ	Devic	e				Bus	Туре]
	01	i8042	ort				0	lsa	
	04	Serial					0	Isa	
	11	FIOPPY	2				2	ISa Pei	
	lii	nv4	,				1	Pci	
	12	i8042	ort				Ó	Isa	
	14	IntelA	TA				0	Isa	
	15	IntelA	TA				0	Isa	
	I								
	F			1			1		- L
	<u>I</u> RG		1/0 Por <u>t</u>		<u>D</u> MA		<u>M</u> emory	De <u>v</u> ices	
			Properties		Pofrash	1	Print		
		<u> </u>	Topenies		Tenesu		CUUC		

Note: These are the numbers that Windows NT reports; they are not set in the registry.

😹 Windows NT Diagnostics - \\CABLEWR-PC						
<u>F</u> ile <u>H</u> elp						
Version	System	Display	Drives) Me	mory	
Services	Resources	Env	vironment	Net	work [
	_		Include <u>H</u> /	AL resourc	es 🗖	
Address	Device		Bus	Туре		
0060 - 0060	i8042prt		0	lsa		
0064 - 0064	i8042prt		0	lsa		
01/0-01//	IntelATA		U	lsa D.		
	VgaSave		U	PCI		
0376 - 0376			0	ISB		
0378 - 0376	Parport		0	isa Isa		
03B0 - 03BB	VoaSave		ŏ	Pci		
03C0 - 03DF	VgaSave		ō	Pci		
03F0 - 03F5	Floppy		0	Isa		
03F6 - 03F6	IntelATA		0	Isa		
03F7 - 03F7	Floppy		0	lsa		
03F8 - 03FE	Serial		0	lsa		
DCC0 - DCDD	E100B		2	Pci	T	
I FFAN - FFA7	IntelâTă		n	Isa		
IRQ	1/0 Port	<u>D</u> MA	<u>M</u> emory	Dev	ices	
E	Properties	<u>R</u> efresh	Pri <u>n</u> t		OK	

Install the Drivers

Once you know which IRQ and I/O port numbers are already in use, you can choose available IRQ and I/O port numbers to used with the Cisco Aironet Client Adapter card. For example, for the displays shown, you can use IRQ 10 and I/O port 100.

If you have not already done so, download Cisco Aironet software from the Cisco Software Center – Wireless page, or go directly to the Windows Driver & Utility page. Once you have downloaded the driver self-extracting archive, extract it to a diskette or to a folder on the hard drive.

Note: When you install the drivers, Windows NT does not prompt you to browse for the files. You must type in the full path to the location of the files. Therefore, if you do not have the files on diskette, it is best to extract the downloaded files to an easy–to–remember location, such as **c:\temp**.

Complete these steps in order to install the drivers:

- 1. Select Start.
- 2. Select Settings.
- 3. Select Control Panel.
- 4. Select **Network** properties.
- 5. Click the **Adapter** tab.
- 6. Click Add.
- 7. You are prompted to select the appropriate network adapter or to select a driver from disk. Click **Have Disk**.
- 8. Type in the path to the location of the files.
- 9. In the **Select OEM Option** box that appears, select the adapter that matches your client card.
- 10. Click **OK**.



- 11. In the **Adapter Setup** window, select **Client Name** and type the unique client name of your computer in the **Value** dialog box.
- 12. Select **SSID**. In the **Value** dialog box, type the case–sensitive SSID of your RF network, which you can obtain from your system administrator.
- 13. Select Interrupt and select a value that you previously determined is available.

Cicso Aironet Wireless LAN Adapter Setup					
Property:	Value:				
Attribute Memory Base Adddres Client Name Data Rates Infrastructure Mode Interrupt IO Base Address (hexadecimal) Magic Packet Mode Power Save Mode SSID	10 V 10 A 11 12 13 14 15 V				
OK	Cancel				

14. Select **IO Base Address (hexadecimal)** and select a value that you previously determined is available.

Cicso Aironet Wireless LAN /	Adapter Setup 🛛 🗙
Property: Attribute Memory Base Adddres Client Name Data Rates Infrastructure Mode Interrupt ID Base Address (hexadecimal) Magic Packet Mode Power Save Mode SSID	Value:
OK	Cancel

- 15. Click **OK** and **Close**.
- 16. The Microsoft TCP/IP Properties window opens. If it does not open, go to
 - ♦ My Computer > Control Panel >Network >Protocols >TCP/IP >Properties.

17. Perform one of these:

• If your computer gets its IP address from a DHCP server select **Obtain an IP address from** a **DHCP server**.

When asked if you want to enable DHCP, click Yes and OK.

- If your computer does not get its IP address from a DHCP server select **Specify an IP** address and enter this information that you can get from your system administrator:
 - ♦ IP address
 - \diamond subnet mask
 - ◊ default gateway address of your computer
- ♦ Click **OK**.
- 18. When prompted to restart your computer, remove any CDs or floppy disks and click Yes.

The driver installation is complete.

Related Information

- Cisco Aironet 350 Series Tech Notes
- Technical Support Cisco Systems

Contacts & Feedback | Help | Site Map © 2014 – 2015 Cisco Systems, Inc. All rights reserved. Terms & Conditions | Privacy Statement | Cookie Policy | Trademarks of Cisco Systems, Inc.

Updated: Jan 10, 2006

Document ID: 19057