

Loading the Aironet Driver on the MS-DOS Platform

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Introduction

This document explains how to install Cisco Aironet drivers on a Microsoft DOS (MS-DOS)-based laptop.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Wireless LAN (WLAN) technology and terms
- PC hardware topics
- MS-DOS configuration commands

Components Used

The information in this document is based on these software and hardware versions:

- Aironet PCM 3xx or LMC 3xx client adapters
- MS-DOS 6.22
- Aironet Driver for DOS version 6.22

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

Install the DOS Driver for Aironet

Complete these steps in order to install the DOS driver:

1. Build the **config.sys** file in this way:

```
DEVICE=A:\DOS\HIMEM.SYS
DEVICE=A:\DOS\EMM386.EXE X=D000-DFFF FRAME=NONE
DEVICEHIGH=A:\IBMDSS14.SYS
DEVICEHIGH=A:\IBMDOSCS.SYS
DEVICEHIGH=A:\DICRMU01.SYS /MA-D000-D7FF /SH=1 /IX=5,10,11,15
DEVICE=A:\NET\IFSHLP.SYS
```

```

DEVICE=A:\DOS\RAMDRIVE.SYS 2048 /e
DEVICE=A:\DOS\ANSI.SYS
DOS=HIGH,UMB
FILES=40
BUFFERS=30
LASTDRIVE=Z
SHELL=COMMAND.COM /e:512 /p

```

The IBMDSS14.SYS, IBMDOSCS.SYS and DICRMU01.SYS files are PCMCIA Card and Socket Services for the sample model IBM laptop. Substitute appropriate files from the laptop manufacturer as appropriate.

2. Customize the included **cscpkt.ini** file to individual needs:

```

[CSCPKT]
;Initialization file for Infrastructure operating mode

; NOTE: The following are some keyword parameters that may
;be modified. Any commented or omitted keyword parameter
;assumes the factory default. For most situations the
;factory defaults will be appropriate. In situations where
;the factory default needs to be modified, uncomment or add the
;keyword parameter line and set the appropriate keyword value.

SSID="network_ssid"      ;Must match Access Point setting
;FragThreshold=2312      ;Packet size to start fragmenting
;RTSThreshold=2312      ;Packet size to start sending RTS/CTS
;DataRate1=0x02         ;(1) Mbps supported data bit rate
;DataRate2=0x04         ;(2) Mbps supported data bit rate
;DataRate3=0x0B         ;(5.5) Mbps supported data bit rate
;DataRate4=0x16         ;(11) Mbps supported data bit rate
;RefreshInterval=10000 ;Inactivity time to check association
;PowerSaveMode="CAM"    ;Constant Awake Mode
;MaxPowerSave="OFF"     ;Maximum power save mode
NodeName="CiscoPC"      ;Descriptive station name
AuthType="WEPOPEN"      ;WEP with open authentication

;The adapter needs 32 16-bit I/O ports, and 1 non-sharable IRQ.
;The following lines should be uncommented and the appropriate
;values set in the following scenarios:
; 1) PCMCIA mode: Override the I/O port base and/or IRQ
; assigned by PCMCIA card services.
; 2) PCMCIA mode: PCMCIA card services is not being used.
; 3) ISA mode: Override the I/O port base and/or IRQ assigned
; by Plug and Play.
; 4) ISA mode: Non-Plug and Play operation.

;PortBase=0x140
;IRQ=5

;If the PCMCIA interface is being used without PCMCIA card services,
;uncomment the following lines and set the appropriate values.

Memory=0xD000
Socket=0

;If the PCMCIA interface is not being used, set the appropriate
;value of "ISA" or "PCI".

BusType="PCMCIA"

```

3. Boot the computer to load the above **config.sys** file.

4. Issue this command:

```
a:>wepdos -365 -tx1 12345678901234567890123456
```

```
setting key 1 to 12345678901234567890123456  
setting transmit key index to 1
```

5. Issue this command:

```
a:>cscpkt 0x65
```

```
Cisco Wireless Packet Driver , version 2.04  
(c) Copyright 2000 Cisco System , Inc.  
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Card recognized as a radio in socket 00  
Driver Resources --> IO ports 0400-043F IRQ :03  
350 series Firmware 4.25.30  
Mac Address 00:09:7c:31:87:32
```

Related Information

- [Cisco Aironet Wireless LAN Client Adapters Configuration Guides](#)
- [Cisco Wireless Products](#)
- [Cisco Aironet Windows Clients FAQ](#)
- [Technical Support & Documentation – Cisco Systems](#)

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