Wireless Cabinet Option Installation and Configuration Guide



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Overview

The wireless option provides communication management with OmniCenter through a wireless connection. This cuts the cost of doing LAN drops and makes the cabinets easier to relocate. The wireless option is supported for the following products:

- OmniSuppliers (½-1-2-3 cells)
- OmniRx
- OmniTT
- Anesthesia Workstation
- Anesthesia TT
- OptiFlex Cabinets

Note: The wireless option is not supported on SureMed or BlueScreen cabinets.

Omnicell can install and configure the wireless option in manufacturing for new orders. Retrofits can also be done at the facility site on existing equipment using the SSID provided by the customer (see "Software Requirements" on page 1-1). Products can always be re-configured to return to a hardwire connection.

System Requirements

Software Requirements

- Anesthesia Workstation (AWS)—Omnicell 9000 or above
- All other supported Color Touch cabinets—Omnicell 10.0 or above
- OptiFlex Cabinets—OptiFlex 7.6.x or above
- Operating System Platform Version—XP (on ETX board)
- Wireless Standards for Aironet card: 802.11a, 802.11b, 802.11g

Network Requirements

- The facility must already have its own wireless (Access Point) network.
- The following information must be collected from the facility for configuration:
 - SSID
 - IP Address
 - Subnet Mask
 - Default Gateway
 - Preferred DNS Server
 - Alternate DNS Server

Network Recommendations

- Disable the Broadcast SSID feature on each Access Point to hinder unauthorized users from retrieving an SSID.
- Where possible, manage Access Points via hardwired LAN connection and disable the ability to manage Access Points wirelessly.
- Change the SSID periodically to help prevent unauthorized access.
- When creating new SSID, choose values that can not be easily guessed.

Installation

This chapter provides retrofit instructions for the wireless option. The ethernet card installation is the same for all products. It uses a removable rear panel (varies by cabinet type) with an antenna.

Tools Required

- ESD Wrist Strap
- T-15 Torx Driver
- T-10 Torx Driver
- Cam Lock Key #2036
- Phillips Screw Driver

Kit/Parts Required

See "Part List" on page A-1 for a complete kit list.



Figure 2-1. 20-7004 Wireless Option Kit

Hardware Installation

This section is divided by product type.

AWS, Omni TT, Anesthesia TT, OmniRx, Half Cell

Performing a Graceful Shutdown

1. Log into the system as omnitech.

Comnicell [®]	OCANESTH AREA	13:45:20 03/27/06
	Omnicell	About This Omni
	Ommicen	Item Check
	Welcome! Please Enter:	
	User ID:	
Quick Reference Guide		
	Please enter your user ID and Password if required. Press the Enter key when you are finished typing a user ID or password.	
+	Parent Reports Resolve Jistrep Inventory Menus	EXIT

Figure 2-2. Login window

2. Press the **Exit to Shell** button.

Omnicell' Browser	Administration Menus	13:23:40 03/22/06
Diagnostics	Select Administration Function Now	Delete Patient
Omni Config		
Exit to Shell		Flash LEDs
Reboot		Test Printer
Run Midnight Processing		
	Select an Administration function using the buttons on the side.	
+	Patient Reports Resolve Discrep Inventory User Menus	EXIT

Figure 2-3. Color Touch Main Menu

3. Press the **OK** button in the confirmation window.

Omnicell' Browser		9:59:41 03/27/06
	Are you sure you wish to exit to the shell ?	
	ОК Сапсеі	
-	Parine Resolve Listrep Listrep	EXIT

Figure 2-4. Confirmation window

4. Make sure the Shutdown on Exit radio button is selected, then press Exit the Shell.

SupplierShell OCANESTH AREA		
Omnicell *	Version: 5.7.1.3, Buil: 02/28/06 14:41:40. Monday, March 27, 2006 10:01:26 AM	
Supplier Status: Not running Statted N/A	Help	
Start Supplier Restore Omni Data	Help	
Connections Status: Started:	Upgrade	
Start Diał-up Server Configure Connections	Upgrade	
FTPD	Database Maintenance	
Start FTPD	Upgrade, Compact and Repair all the databases. Database Maintenance	
Calibrate Time Zone	Exit the Shell	-
Calibrate Touch Screen Set Time Zone	G Just Quit on Exit Reboot on Exit Shutdown on Exit	

Figure 2-5. Shell Exit window

5. Enter User ID and Password for omnitech, then press **OK**. A message is displayed when it is okay to turn off the power.

Enter User ID and Password			
UserID	I		
Password			
	ОК	Cancel	

Figure 2-6. User Login

6. Toggle the power switch in back to the Off (0) position.



Figure 2-7. Powering down the cabinet

Preparing the Electronic Sled

- 1. Put on a properly grounded ESD wrist strap.
- 2. Access the electronic sled.
 - a. For AWS: Remove the electronic sled cover by lifting and sliding it forward.
 - b. For OmniRx, OmniTT, Anesthesia TT:
 - 1. Unlock the cabinet top with a cam lock key #2036.



Figure 2-8. Unlocking the cabinet top

2. Lift the cabinet top and prop it up with a stand.

Installing the Support Bar (L Bracket)

- 1. Remove the L bracket (PN #53-1900) from the kit.
- 2. Position the key hole in the side plate over the key on the side of the PC Box or sled. There are two extrusions that help position and lock the bracket in place. Extrusion A goes into the hole on the PC Box side/bottom. Extrusion B is used to leverage the plate into a locked position.



Figure 2-9. Key hole and extrusions on side plate of support bar; PC Box orientation of support bar placement



Figure 2-10. Side Plate in position

3. Position the key hole in the bottom plate over the key on the bottom of the PC Box or sled.



Figure 2-11. Bottom plate in locked position

4. Slide the side and bottom plates into position until the support bar locks in place.



Figure 2-12. Support Bar Installed

Installing the Cisco Wireless Network Card

1. Remove the Cisco wireless card from its box.

Note: Omnicell provides a Cisco 21AG Driver CD [#30-0373] external to the wireless card box. The Cisco CD that comes with the box should be removed before the box is shipped with the kit. If there is a CD still *in* the box, it can be discarded. However, do *not* discard the Omnicell CD.



Figure 2-13. Cisco Wireless Network Card box and Omnicell Driver CD

- 2. Install the Cisco 21AG Wireless PCI network card into the PCI slot closest to the edge of the board. Be sure of proper orientation.
- 3. Secure the card to the support bar with a T-10 Torx driver and a screw (PN #94-6238).



Figure 2-14. Installing the Cisco card

4. Remove the original back panel using a T-10 Torx driver.

5. Punch out the long, narrow knock-out on the new back panel provided for the AWS/OmniTT /OmniRx/Anesthesia TT.



Figure 2-15. Back Panel for AWS/OmniTT/OmniRx/Anesthesia TT

6. Install the new back panel with a T-10 Torx driver. The bottom two screws are tightened from the outside while the top two screws are attached from inside the sled.



Figure 2-16. Installing the back panel

7. Route the antenna cable for the Cisco 21AG Wireless PCI Card around the hard drive and through the back panel. Allow two inches of cable through the back panel. Fold and tie down extra cable inside the sled with a Kurly Lok.



Figure 2-17. Routing the cable through the back panel

8. Thread the antenna through the adapter bracket. The standoffs should face the sled/drawer with the screw holes on top.



Figure 2-18. Routing the antenna through the adapter bracket

- 9. Remove the antenna stand from the Cisco card box.
- 10. Use a Phillips screwdriver to remove two screws from the bottom of the antenna stand. The bottom (metal) part of the stand can be discarded.



Figure 2-19. Separating the antenna stand

11. Route the antenna through the top (plastic) part of the stand with the exposed side toward the sled.

12. Attach the adapter bracket to the top part of the antenna stand with 2 screws (PN #94-6290) using a Phillips screw driver.



Figure 2-20. Attaching the adapter bracket to the top part of the antenna stand

- 13. Attach the antenna to the stand part.
- 14. Attach the antenna assembly to the back panel. The bottom latches in (push in and slide down) while the top is screwed in with 2 screws (PN 94-6137) using a T-10 Torx driver from inside the sled.



Figure 2-21. Attaching the antenna assembly to the back panel

15. Swing the antenna to the side.

Important: If the antenna is allowed to stick straight out, it can be damaged during cabinet movement. Walls could be damaged as well. There is no significant difference in signal strength with the antenna swung to the side.



Figure 2-22. Swinging the antenna into position

16. Secure the electronics sled.

17. Take off the ESD strap.

Powering up the Cabinet

1. Turn on the power by toggling the power switch in back to the On (1) position.

OmniSupplier, OptiFlex Cabinet

Powering down the cabinet

- 1. Perform a graceful shutdown.
 - a. OmniSupplier: Refer to "Performing a Graceful Shutdown" on page 2-2 for software steps and screen shots.
 - b. OptiFlex Cabinet Steps:
 - 1. Log in if User Login window is displayed.

	Ор	tiFle	y Orrnicell	Jser Lo	ogin	
	Use	r Name:				
1 Tab q	2 3 w e	4 5 r t	6 7 y u	8 9 i	- 0 -	= BS
Caps a Shift	s d	f g	h j b n	k m	I ;	' Enter Shift
			Space			ОК

Figure 2-23. OptiFlex Login window

2. Type MM in the patient search window.

🖕 - [OptiFlex v1.6.4 - 624/F80 - Sele	ect the room you are issuing to]		<u> </u>
1301-B	1302-B	1303-B	1304-B
0330700377	0331600170	0332100642	0332200718
REEVES, PATIENT	WARREN, PATIENT	REMLEY, PATIENT	PETERS, PATIENT
1305-B	1306-B	1307-В	1308-B
0332100243	0332200691		0331900155
HILLEBRENNER, PATIENT	GUEVARA, PATIENT		MAUPIN, PATIENT
1309-B	1310-B	1311-B	1312-B
0332000190	0332300367	0332200078	0332200382
PALERMO, PATIENT	CANOE, PATIENT	BRATCHER, PATIENT	LAMBDIN, PATIENT
1313-B	1314-B	1315-B	1316-B
0331600628	0332000132	0332200132	0332100036
HICKMAN, PATIENT	HIXON, PATIENT	ROSS, PATIENT	HARRIS, PATIENT
1317-B	1318-B	1319-B	1320-B
0332100277	0331600616	0332200037	0332100663
KING, PATIENT	RUSSELL, PATIENT	ACKER, PATIENT	SCHRIEBER, PATIENT
<< Previous	Find Patient	Floor Charge	Next >>

Figure 2-24. OptiFlex Patient Search window

3. Press **Exit** in the Materials Management window.

OptiFlex				
Patient Issues	Receipts	Order Items	Assign Bin	Setup Dept
Count	Inventory	Calibrate	PrePick Case	Leave OptiFlex

Figure 2-25. Material Management window

4. Press **OK** in the exit confirmation dialogue box. The OptiFlex Launcher can be minimized, but it is not necessary.

OptiFlex Message Message	
Exit (OptiFlex?
Are you sure O	e you want to exit ptiFlex?
Yes	No

Figure 2-26. Exit Confirmation box



Figure 2-27. OptiFlex Launcher

5. Select **Shutdown** from Start menu.



Figure 2-28. Start menu

6. Press **OK** on shutdown confirmation dialogue box.



Figure 2-29. Shutdown dialogue box

- 2. Turn off the power.
 - a. Pull down the keyboard panel.



Figure 2-30. Opening the keyboard panel

b. Push and hold the power button until the red light turns on. The red light will flash when the power is off.



Figure 2-31. Locating the power button

c. Secure the keyboard panel.

Preparing the Cabinet

- 1. Put on a properly grounded ESD wrist strap.
- 2. Access the control board.
 - a. For OptiFlex Cabinets or OmniSupplier with supply shelf below:
 - 1. Unlock the manual override on the right side (when facing the front of the frame) with cam lock key #2036.



Figure 2-32. Unlocking the override

2. Open the cabinet door below the PC box.

Figure 2-33. Removing screws under the PC box

- 4. Pull out the PC box on the slides.
- 5. Unlock the PC box cover with the cam lock key #2036 and remove cover.



Figure 2-34. Unlocking the PC box cover

- b. For OmniSupplier with the 9-drawer Pharmacy Module or OmniDispenser:
 - 1. Pull open the keyboard panel to access the screws that fasten the PC box to the frame.

3. Remove the two 8-32 x ¼" socket head cap (SHC) screws and star washers from the bottom of the PC box enclosure with a T-15 Torx driver.

2. Remove the button head 8-32 x 7/8" and button head 8-32 x 3/8" screws with a T-15 Torx driver.



Figure 2-35. Removing screws from the PC box enclosure

- 3. Pull out the CT PC box on slides.
- 4. Unlock the PC box cover with the cam lock key #2036 and remove cover.

Installing the Cisco Wireless Network Card

- 1. Remove the Cisco wireless card from its box. The CD can be discarded as the driver is already installed on the hard drive.
- 2. Install the Cisco 21AG Wireless PCI network card into the PCI slot closest to the edge of the board. Be sure of proper orientation.
- 3. Use a T-10 Torx driver to secure the card to the support bar with a screw (PN #94-6238).



Figure 2-36. Installing the Cisco card

4. Remove the original back panel using a T-10 Torx driver.

i

5. Punch out the long, narrow knock-out on the new back panel provided for the OmniSupplier.



Figure 2-37. Back Panel for the OmniSupplier

Note: Be sure of the back panel orientation. The square cut-out is left of the rectangular cut-out on the side that faces out of the drawer.

- 6. Remove the antenna stand from the Cisco card box.
- 7. Use a Phillips screwdriver to remove two screws from the bottom of the antenna stand. The bottom (metal) part of the stand can be discarded.
- 8. Route the antenna cable for the Cisco 21AG Wireless PCI Card through the back panel from the side that faces into the drawer (square cut-out right of rectangular cut-out). Allow two inches of cable through the back panel.



Figure 2-38. Routing the cable through the back panel (from the in side to the out side)

9. Route the antenna through the top (plastic) part of the stand with the exposed side toward the panel.



Figure 2-39. Routing the cable through the stand part

- 10. Use a Phillips screw driver and 2 screws (#94-6304) to attach the antenna stand part to the back panel.
- **Important:** Do not over-tighten the screws to prevent damaging the plastic part.



Figure 2-40. Attaching the antenna stand to the back panel

11. Install the new back panel with a T-10 Torx driver. All four screws are tightened from inside

Figure 2-41. Installing the back panel

the drawer.

12. Fold and tie down extra cable inside the drawer with a Kurly Lok.

13. Attach the antenna to the stand part.



Figure 2-42. Attaching the antenna

14. Swing the antenna to the side.

Important: If the antenna is allowed to stick straight out, it can be damaged during cabinet movement. Walls could be damaged as well. There is no significant difference in signal strength with the antenna swung to the side.



Figure 2-43. Swinging the antenna into position

15. Secure the PC box drawer.

16. Take off the ESD strap.

Powering up the Cabinet

- 1. Pull down the keyboard panel.
- 2. Push the power button once. The light will turn green when the power is up.
- 3. Secure the keyboard panel.

Software Installation

(i)

Note: The Add Hardware wizard is displayed on start up, but the Supplier Shell may engage on Color Touch cabinets before a response is made.

The OptiFlex Launcher window is also displayed on start up.

- 1. Color Touch Cabinets: Exit the Supplier Shell.
 - a. Press Delay Startup on the Startup window.

Delay Supplier Startu	p		
Press "Delay Start" to del	ay the Supplier Start.		
Number of seconds befor	re automatic start: 1.		
Delay Startup	Start Now		

- b. Log into the system as omnitech.
- c. Press the Exit to Shell button, and then press the OK button.
- 2. OptiFlex Cabinets: Minimize the Launcher window.

3. Press the **Cancel** button to dismiss the New Hardware wizard.



- 4. Insert the Omnicell CD with the Cisco 21AG driver in the CD drive.
- 5. Click on the **My Computer** icon on the desktop and go to the CD drive. The drive letter may vary from the example.
- 6. Go to: D:\Drivers\NICs\Wireless\Cisco 21AG
- 7. Select WinClient-802.11a-b-g-Ins-Wizard-v40.exe, then press **Enter** to start the Cisco Aironet Driver and Client Application installer.



Note: If the executable file is not present, download it from Omnicell's FTP site to run it.

8. Press Next on the opening window.

Cisco Aironet Installation Program				
	Cisco Aironet Installation Program			
	This program installs the driver and client utilities for your Cisco Aironet Wireless LAN Client Adapter.			
	< Back Next> Cancel			

9. Select Install Client Utilities and Driver for setup type, then press Next.



10. Press Next on the Site Survey Utility window, keeping the install box unchecked.



11. Press Next on the Destination Location window to accept the default value.



12. Press Next on the Program Folder window to accept the default value.



13. Press Next on the information window about configuration tools.

/ireless LA √ireless Co	AN Client Ada onfiguration M available in A	pter through fanager. DU, Cisco
∕ireless LA √ireless Co	AN Client Ada onfiguration M available in A	pter through lanager. DU, Cisco
ortionality a n from Micr or the Mic Manager, t install AD	crosoft might b icrosoft Wirele . some of the / DU.	e required to :ss ADU features
		* Next>

14. Select Cisco Aironet Desktop Utility (ADU) for the configuration tool, then press Next.



15. Press **Yes** on the dialogue box that indicates that a reboot is required.



16. Press **OK** on the dialogue box that calls for the installation of the ethernet card. The driver and utilities are then loaded. A status window displays the progress of the installation.

sco Ai	ronet Insta	llation Pro	ogram		X
<u>.</u>	The installatio when the clier it is not yet ins Wizard if it ap OK to continu	n program in it adapter is i serted, cance pears, and p e.	stalls the dri nserted. Ins I the Found roceed with	ver automa ert the ada New Hardv the installa	atically pter now if vare tion. Click
		OK			
000 A	iropot Inct	allation P	rogram		
etup Stal	us	anation P	rogram	N	
Cisco Airo	net Installation Prog	gram is configuring	your new softwa	are installation.	
Installing t	he driver files				
allShield —					

17. Press **OK** on the dialogue box that confirms the completion of the software installation. The system will then reboot.

Cisco	Aironet Installation Program
1	The Installation Program has successfully performed the selected operations, but the system needs to be rebooted before all of the changes will take effect. Click OK to reboot the system.
	OK

18. Perform configuration steps after the cabinet reboots. Refer to "Configuration" on page 3-1.

2-26 Installation Software Installation

Configuration

Each site's IT department determines their own best practice and recommended settings.

IP Address Settings

- 1. Color Touch Cabinets: Exit the Supplier Shell.
 - a. Press **Delay Startup** on the Startup window.
 - b. Log into the system as omnitech.
 - c. Press the Exit to Shell button, and then press the OK button.
- 2. OptiFlex Cabinets: Minimize the Launcher window.

Note: At various points of this installation, you may be presented with a dialog that says there was an error either stopping or starting the Windows XP Wireless Configuration Manager. Cisco has informed us that this is normal, and can be ignored. Any time one of these dialogs is shown, simply remove it by pressing the OK button.

Cisco Aironet Desktop Utility	×
Error stopping Windows XP Wireless Configurati	on Manager.
OK	

 Open the Network Connections window: Go to: Start > Settings > Control Panel > Network Connections (or)

Select the My Network Places icon, then press Alt -Enter

Solutions			_ & ×
File Edit View Favorites Tools	Advanced Help		A.
😋 Back 🔻 🕥 👻 🏂 🔎 Search 🜔	; Folders 🛛 🕼 🍞 🗙	∽	
Address 🔕 Network Connections			💌 🋃 Go
Name	Туре	Status	Device Name F
Internet Gateway			
Solution Connection	Internet Gateway	Disabled	Internet Connection
LAN or High-Speed Internet			
Y Wireless Network Connection	LAN or High-Speed Inter LAN or High-Speed Inter	Enabled Enabled, Firewalled	Cisco Aironet 802.11a/b/ Intel(R) GD82559ER PCI
Wizard			
New Connection Wizard	Wizard Wizard		
4			

- 4. Double-press Wireless Network Connection.
- 5. Scroll through the list in the Wireless Network Connection window (General tab), then select **Internet Protocol (TCP/IP)**.
- 6. Press the **Properties** button.

👖 Wireless Network Connecti ? 🗙
General Wireless Networks Advanced Wireless Network Conn
Connect using:
Eisco Aironet 802.11 a/b/g Wireless Adapter
Configure
This connection uses the following items:
Internet Protocol (TCP/IP)
▲
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. Show icon in notification area when connected
OK Cancel

- 7. Select **Use the following IP address** and **Use The Following DNS Server...**, in the Internet Protocol (TCP/ IP) Properties General page.
- 8. Enter all the appropriate values collected from the facility for the following fields.
 - IP Address
 - Subnet Mask
 - Default Gateway
 - Preferred DNS Server
 - Alternate DNS Server

nternet Protocol (TC	P/IP) Properti ? 🗙
General Alternate Configuration	
You can get IP settings assigned au this capability. Otherwise, you need the appropriate IP settings.	tomatically if your network supports to ask your network administrator for
Obtain an IP address automati	cally
 O Use the following IP address: 	
IP address:	
Subnet mask:	
Default gateway:	
 Obtain DNS server address au 	itomatically
 C Use the following DNS server 	addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

9. Press the **OK** button.



10. Click the Advanced tab on the Wireless Network Connection window.

11. Click Settings.



12. Check/click on the FTP Server box on the **Services** page.



13. Click **OK** on the FTP server dialogue box with no changes.

Description of service:		
FTP Server		
lame or IP address (for example 19) computer hosting this service on you	2.168.0.12) ir network:	of the
OMNICELL-YORHNL		
external Port number for this service:		
External Port number for this service: 21	© TCP	C UDP
External Port number for this service: 21 nternal Port number for this service:	© TCP	C UDP

14. Click the **ICMP** tab.

15. Click/check the Allow incoming echo request box.



- 16. Click **OK** to close the Advanced Settings window.
- 17. Press the **Close** button in the Wireless Network Connection dialogue box.
- 18. Click **OK** on the Network Connections dialog box if it is displayed.

Netwo	rk Connections
<u>.</u>	An error occurred while Internet Connection Sharing was being enabled.
	All pipe instances are busy.
	OK

- 19. Press the X in the top right corner to close the Network Connections window.
- 20. Reboot the computer via the **Start** button: **Start** > **Shut Down** > **Restart** > **OK**

Wireless Settings

- 1. Color Touch Cabinets: Exit the Supplier Shell.
 - a. Press Delay Startup on the Startup window.
 - b. Log into the system as omnitech.
 - c. Press the Exit to Shell button, and then press the OK button.
- 2. OptiFlex Cabinets: Minimize the Launcher window.
- 3. If a dialogue box is displayed which asks to disable the Microsoft Wireless Configuration Manager, check the option **Don't show this message agai**n, then press the **Yes** button.

Isable Microsoft Wirele	ess configuration Ma.	2
During installation, you chose not to use Mic control your Cisco Aironet Wireless LAN Clie	crosoft Wireless Configuration Manager to ent Adapter. However, it is currently enabl	ed for
this device. Do you want to disable it?		

4. Double-press the Aironet Desktop Utility icon on the desktop.



 \ 	

Note: The Cisco Aironet Utility's Current tab displays signal strength. It should display a status of Good.



- 5. Select the **Profile Management** tab in the Cisco Aironet Desktop Utility window.
- 6. Press the New... button to create a new wireless profile.

Cisco Aironet De	sktop Utility - Curi	rent Profile: D <mark>?</mark> >
Action Options Help Current Status Profile Managemen) Diagnostics	
🗽 Default		New
		Modify
		Remove
		Activate
Details Network Type:	Infrastructure	Import
Network Name 1 (SSID1):	<pre>None <empty></empty></pre>	Export
Network Name 2 (SSID2): Network Name 3 (SSID3):	<empty> <empty></empty></empty>	Scan
Auto Select Profiles		Order Profiles

7. On the **General** tab, type in a new name for the network profile on the Profile Management page, then type in the SSID.

Profile Managemen	t	? ×
General Security Advanced		
Profile Settings Profile Name:		
Client Name:	DMNICELL-IKAXJM	
Network Names		
SSID1:		
SSID2:		
SSID3:		
	ОК	Cancel

8. Press OK

Note: The hospital's network administrator is needed to fill out the rest of the information for the profile, such as security and advanced settings. There are too many options to enumerate in this document, and each network administrator may prefer a different set of settings for wireless communications.

WEP, WPA, and WPA2 encryption is supported. See the *Installation and Configuration Guide* located on the cabinet at **d:\Drivers\NICs\Wireless\Cisco 21AG**\for WPA2 setup. Wireless N is not supported.

eral Security Advanced	
Set Security Options	
C WPA	WPA EAP Type: LEAP
C WPA Passphrase	
C 802.1x	802.1x EAP Type: LEAP
C Pre-Shared Key (Stat	ic WEP)
None	
Configure	Allow Association to Mixed Cells
	OK Can
Ele Bilenenenen en 4	
file Management	 ?
file Management	<u>?</u>
File Management stal Security Advanced Transmit Power Level	Power Save Mode: CAM (Constantly Awake Mode)
File Management eral Security Advanced Transmit Power Level 802.11b/g: 100 m/w 💌	Power Save Mode: CAM (Constantly Awake Mode)
File Management eral Security Advanced Transmit Power Level 802.11b/g 100 m/w • 802.11a 40 m/v •	Power Save Mode: CAM (Constantly Awake Mode) Network Type: Infrastructure 802 11b Preamble: Short & Long C Long Only
File Management sral Security Advanced Transmit Power Level 802.11b/g 802.11b/g 100 mW • 802.11at 40 mW •	Power Save Mode: CAM (Constantly Awake Mode) Network Type: Infrastructure 802.11b Preamble: Short & Long C Long Only Wireless Mode When Starting Ad Hoo Network.
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File Management sral Security Advanced Transmit Power Level 802.11b/g 802.11b/g 100 m/w 802.11a 40 m/w wireless Mode Image: Sign 2 4 GHz 51 Mbps Image: Z 4 GHz 51 Mbps Image: Z 4 GHz 54 Mbps Image: Z 4 GHz 54 Mbps Image: Z 4 GHz 54 Mbps	Power Save Mode: CAM (Constantly Awake Mode) Network Type: Infrastructure 802.11b Preamble: Short & Long C Long Only Wreless Mode When Starting Ad Hoc Network. C 5.GH2.54 Mbps C 2.4 GH2.54/11 Mbps Chennel: Auto
File Management sral Security Advanced Transmit Power Level 802.11b/g 100 m/w 802.11b/g 100 m/w • 802.11b/g 100 m/w • 802.11b/g 200 m/w • 802.11b/g 200 m/w • 902.11b/g 40 m/w • 902.11b/g 20 m/w • 902.11b/g 2.4 Mbps • 902.11b/g 2.4 GHz 11 Mbps • 902.11 2.4 GHz 54 Mbps • 802.111 Authentioation Mode	Power Save Mode: CAM (Constantly, Awake Mode) Network Type: Infrastructure 802.11b Preamble: Short & Long C Long Only Wireless Mode When Starting Ad Hoc Network. C 15.GHz 54 Mbps C 12.4 GHz 54/11 Mbps Chennel: Auto

 Reboot the computer via the Start button: Start > Shut Down > Restart > OK

Onboard Network Connections

Important: In order to avoid conflicts on the cabinet that could be caused by having two network cards enabled (one wireless and one onboard), the onboard network connection needs to be disabled.

- 1. Color Touch Cabinets: Exit the Supplier Shell.
 - a. Press **Delay Startup** on the Startup window.
 - b. Log into the system as omnitech.
 - c. Press the Exit to Shell button, and then press the OK button.
- 2. OptiFlex Cabinets: Minimize the Launcher window.

3. Open up the Network Connections page: via the **Start** button: **Start** > **Settings** > **Control Panel** > **Network Connections**

S Network Connections			_ & ×	
File Edit View Favorites Tools	Advanced Help			
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Address 🔕 Network Connections	Address Network Connections			
Name	Туре	Status	Device Name F	
Internet Gateway				
SInternet Connection	Internet Gateway	Disabled	Internet Connection	
LAN or High-Speed Internet				
₩Wireless Network Connection	LAN or High-Speed Inter LAN or High-Speed Inter	Enabled Enabled, Firewalled	Cisco Aironet 802.11a/b/ Intel(R) GD82559ER PCI	
Wizard				
New Connection Wizard	Wizard Wizard			
			Þ	

4. Right-click on **External Network**, then select **Disable** (or)

Double-press on External Network, then select Disable on External Network Status window.



5. Press Close.

The External Network connection should now indicate that it is disabled

 Reboot the computer via the Start button: Start > Shut Down > Restart > OK

Testing

Testing consists of checking to see if the wireless internet recognizes the cabinet.

- 1. Color Touch Cabinets: Exit the Supplier Shell.
 - a. Press **Delay Startup** on the Startup window.
 - b. Log into the system as omnitech.
 - c. Press the Exit to Shell button, and then press the OK button.
- 2. OptiFlex Cabinets: Minimize the Launcher window.

- 3. Go to the DOS prompt: Start > Run > Type: cmd, press ENTER.
- 4. Type ping and the cabinet's IP address, then press **Enter**. The wireless network should respond that the cabinet was found.



5. If the cabinet is not found, relocate the cabinet to where the network signal can be picked up, then test again.

Driver Upgrade

Upgrade the Cisco 21AG driver to 4.0 with the following instructions.

 Browse to the directory D:\Drivers\NICs\Wireless\Cisco 21AG, then double-click on the file named WinClient-802.11a-b-g-Ins-Wizard-v40.exe. If this file is not present with this exact name, download it from Omnicell's FTP site.

The Cisco Aironet Driver and Client Application installer will start, but detect a previous installation.



2. Select Update the previous installation, then click Next.



3. Click **Yes** in the dialog box about the previous selection requiring the system to be rebooted at the end of the installation.

?	The option you have selected requires the rebooted at the end of the operation. Do yo continue?	system to be ou want to

4. Click **Next** on the Cisco Aironet Site Survey Utility window—leaving the installation box unchecked. The installation begins with a status window showing the progress.

nstall Cisco Aironet Site Survey Utili	tu i
Istali Cisco Alfonet Site Survey Otili	
Check this box if you would like to install the you to determine the best placement for information of the placement of the	ne Cisco Aironet Site Survey Utility. This utility helps rastructure devices within your wireless network.
Install Cisco Aironet Site Survey Utility	
allShield	
	< Back Next > Cancel
sco Aironet Installatio	n Program
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5. Click **OK** on the dialog window announcing the installation was successful. The system automatically reboots.

Cisco	Aironet Installation Program
♪	The Installation Program has successfully performed the selected operations, but the system needs to be rebooted before all of the changes will take effect. Click OK to reboot the system.
	OK

3-10 Configuration Driver Upgrade

Part List

This section provides a part list used for the installation of the wireless card.

Kit #	Part #	Item Description	Notes	Qty
20-7004		Wireless Upgrade Kit	for all supported cabinet types	1
	15-7079	Wireless Network Assembly	Cisco Aironet	1
	30-0373	Wireless Network Card Driver 4.0	+ protocol setups, card use regulations; packaged external to Cisco wireless card box	1
	53-3080	Adapter Bracket	For Rx TT, AWS only	1
	71-0068	Cisco Wireless Network Card AIRONET, 802.11, A/B/G	No Cisco CD	1
	94-6090	Kurly Lok Cable Mount, Richo KLB-350A-RT	Secures cable inside drawer or sled	4
	94-6236	Srew,TRUSS,HD,TORX,4-40,X,1/4SS	Secures network card	1
94-6290 94-6304 53-1109	94-6290	Screw, PT, Pan, Philip, K30,X,1/4SS		2
	94-6304	Srew,PT,TORX,K30-1.34X15MM	Secure OmniSupplier rear panel	2
	Rear Panel w/knockout	For OmniSuppliers, OptiFlex Cabinets	1	
	53-1900	L Bracket/Support Bar		1
	53-3081	Rear Panel w/knockout	For Rx TT, AWS	1
	60-3009	Wireless Cabinet Option Installation and Configuration Guide	Documentation	1
	94-6137	Srew,BH,TORX,6-32,X,3/16,SS	Secures Rx/TT/AWS rear panel	4

A-2 Part List

Glossary

Access Point connection with wireless network

- **ADU** Aironet Desktop Utility
- **AWS** Anesthesia Workstation
- **C** Color Touch; Omnicell software product

DHCP Dynamic Host Configuration Protocol; used for automatic configuration of computers using TCP/IP

DNS Server Domain Name Server; an internet service that translates domain names into IP addresses

FTP File Transfer Protocol

IEEE Institute of Electrical and Electronic Engineers; world's leading professional association for the advancement of technology

- **IP** Internet Protocol
- LAN Local Area Network
- **PCI** Peripheral Component Interconnect; a local bus standard developed by Intel Corporation
- SSID System Security Identification; login ID
- **TT** Table Top; smaller model
- WEP Wired Equivalent Privacy; security protocol for WLANs
- WLAN Wireless Local Area Network



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